

#	Human Target or Analyte	UniProt ID	GeneID
1	[Protein ADP-ribosylarginine] hydrolase	P54922	ADPRH
2	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial	Q15118	PDK1
3	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial	Q15119	PDK2
4	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial	Q9P0J1	PDP1
5	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase	Q9BV57	ADI1
6	10 kDa heat shock protein, mitochondrial	P61604	HSPE1
7	14 kDa phosphohistidine phosphatase	Q9NRX4	PHPT1
8	14-3-3 protein beta/alpha	P31946	YWHAB
9	14-3-3 protein beta/alpha	P31946	YWHAB
10	14-3-3 protein epsilon	P62258	YWHAE
11	14-3-3 protein eta	Q04917	YWHAH
12	14-3-3 protein eta	Q04917	YWHAH
13	14-3-3 protein gamma	P61981	YWHAG
14	14-3-3 protein gamma	P61981	YWHAG
15	14-3-3 protein sigma	P31947	SFN
16	14-3-3 protein theta	P27348	YWHAQ
17	14-3-3 protein zeta/delta	P63104	YWHAZ
18	15 kDa selenoprotein	O60613	SELENOF
19	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	P15428	HPGD
20	17-beta-hydroxysteroid dehydrogenase 14	Q9BPX1	HSD17B14
21	1-acylglycerol-3-phosphate O-acyltransferase ABHD5	Q8WTS1	ABHD5
22	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	Q9NQ66	PLCB1
23	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3	Q8N3E9	PLCD3
24	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1	P19174	PLCG1
25	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2	P16885	PLCG2
26	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-1	P51178	PLCD1
27	2-(3-amino-3-carboxypropyl)histidine synthase subunit 2	Q9BQC3	DPH2
28	2',3'-cyclic-nucleotide 3'-phosphodiesterase	P09543	CNP
29	2,4-dienoyl-CoA reductase, mitochondrial	Q16698	DECR1
30	2'-5'-oligoadenylate synthase 1	P00973	OAS1
31	2'-5'-oligoadenylate synthetase like protein	Q15646	OASL
32	26S protease regulatory subunit 6A	P17980	PSMC3

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33	26S protease regulatory subunit 8	P62195	PSMC5
34	26S proteasome non-ATPase regulatory subunit 10	O75832	PSMD10
35	26S proteasome non-ATPase regulatory subunit 11	O00231	PSMD11
36	26S proteasome non-ATPase regulatory subunit 4	P55036	PSMD4
37	26S proteasome non-ATPase regulatory subunit 5	Q16401	PSMD5
38	26S proteasome non-ATPase regulatory subunit 6	Q15008	PSMD6
39	26S proteasome non-ATPase regulatory subunit 7	P51665	PSMD7
40	26S proteasome non-ATPase regulatory subunit 9	O00233	PSMD9
41	28 kDa heat- and acid-stable phosphoprotein	Q13442	PDAP1
42	28S ribosomal protein S14, mitochondrial	O60783	MRPS14
43	2'-deoxynucleoside 5'-phosphate N-hydrolase 1	O43598	DNPH1
44	2-hydroxyacyl-CoA lyase 1	Q9UJ83	HACL1
45	2-methoxy-6-polypropenyl-1,4-benzoquinol methylase, mitochondrial	Q5HYK3	COQ5
46	2-phosphoxylose phosphatase 1	Q8TE99	PXYLP1
47	3'(2'),5'-bisphosphate nucleotidase 1	O95861	BPNT1
48	39S ribosomal protein L1, mitochondrial	Q9BYD6	MRPL1
49	39S ribosomal protein L10, mitochondrial	Q7Z7H8	MRPL10
50	39S ribosomal protein L12, mitochondrial	P52815	MRPL12
51	39S ribosomal protein L14, mitochondrial	Q6P1L8	MRPL14
52	39S ribosomal protein L2, mitochondrial	Q5T653	MRPL2
53	39S ribosomal protein L21, mitochondrial	Q7Z2W9	MRPL21
54	39S ribosomal protein L28, mitochondrial	Q13084	MRPL28
55	39S ribosomal protein L32, mitochondrial	Q9BYC8	MRPL32
56	39S ribosomal protein L33, mitochondrial	O75394	MRPL33
57	39S ribosomal protein L34, mitochondrial	Q9BQ48	MRPL34
58	39S ribosomal protein L38, mitochondrial	Q96DV4	MRPL38
59	39S ribosomal protein L50, mitochondrial	Q8N5N7	MRPL50
60	39S ribosomal protein L52, mitochondrial	Q86TS9	MRPL52
61	39S ribosomal protein L55, mitochondrial	Q7Z7F7	MRPL55
62	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase	Q15125	EBP
63	3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	HMGCR
64	3-hydroxyacyl-CoA dehydrogenase type-2	Q99714	HSD17B10

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65	3-hydroxyanthranilate 3,4-dioxygenase	P46952	HAAO
66	3-hydroxybutyrate dehydrogenase type 2	Q9BUT1	BDH2
67	3-hydroxyisobutyrate dehydrogenase, mitochondrial	P31937	HIBADH
68	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	Q6NVY1	HIBCH
69	3-ketoacyl-CoA thiolase, peroxisomal	P09110	ACAA1
70	3-ketodihydrophosphingosine reductase	Q06136	KDSR
71	3-keto-steroid reductase:Cytoplasmic domain	P56937	HSD17B7
72	3-keto-steroid reductase:Extracellular domain (partial)	P56937	HSD17B7
73	3-mercaptopyruvate sulfurtransferase	P25325	MPST
74	3-oxo-5-beta-steroid 4-dehydrogenase	P51857	AKR1D1
75	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial	Q9NWU1	OXSM
76	3-phosphoinositide-dependent protein kinase 1	O15530	PDPK1
77	40S ribosomal protein S10	P46783	RPS10
78	40S ribosomal protein S12	P25398	RPS12
79	40S ribosomal protein S14	P62263	RPS14
80	40S ribosomal protein S19	P39019	RPS19
81	40S ribosomal protein S20	P60866	RPS20
82	40S ribosomal protein S25	P62851	RPS25
83	40S ribosomal protein S3	P23396	RPS3
84	40S ribosomal protein S3a	P61247	RPS3A
85	40S ribosomal protein S4, X isoform	P62701	RPS4X
86	40S ribosomal protein S5	P46782	RPS5
87	40S ribosomal protein S7	P62081	RPS7
88	40S ribosomal protein SA	P08865	RPSA
89	4F2 cell-surface antigen heavy chain:Cytoplasmic domain	P08195	SLC3A2
90	4F2 cell-surface antigen heavy chain:Extracellular domain	P08195	SLC3A2
91	4-hydroxy-2-oxoglutarate aldolase, mitochondrial	Q86XE5	HOGA1
92	4-hydroxyphenylpyruvate dioxygenase	P32754	HPD
93	5'(3')-deoxyribonucleotidase, cytosolic type	Q8TCD5	NT5C
94	5'(3')-deoxyribonucleotidase, mitochondrial	Q9NPB1	NT5M
95	5-demethoxyubiquinone hydroxylase, mitochondrial	Q99807	COQ7
96	5-formyltetrahydrofolate cyclo-ligase	P49914	MTHFS

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97	5-hydroxytryptamine receptor 2A	P28223	HTR2A
98	5-hydroxytryptamine receptor 6	P50406	HTR6
99	5-hydroxytryptamine receptor 7	P34969	HTR7
100	5-Lipoxygenase	P09917	ALOX5
101	5'-Nucleotidase	P21589	NT5E
102	5'-Nucleotidase	P21589	NT5E
103	5'-nucleotidase domain-containing protein 1	Q5TFE4	NT5DC1
104	5'-nucleotidase domain-containing protein 3	Q86UY8	NT5DC3
105	60 kDa heat shock protein, mitochondrial	P10809	HSPD1
106	60S acidic ribosomal protein P2	P05387	RPLP2
107	60S ribosomal protein L11	P62913	RPL11
108	60S ribosomal protein L12	P30050	RPL12
109	60S ribosomal protein L26-like 1	Q9UNX3	RPL26L1
110	60S ribosomal protein L30	P62888	RPL30
111	60S ribosomal protein L38	P63173	RPL38
112	60S ribosomal protein L5	P46777	RPL5
113	60S ribosome subunit biogenesis protein NIP7 homolog	Q9Y221	NIP7
114	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1	P16118	PFKFB1
115	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	Q16875	PFKFB3
116	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4	Q16877	PFKFB4
117	6-phosphogluconate dehydrogenase, decarboxylating	P52209	PGD
118	6-phosphogluconolactonase	O95336	PGLS
119	6-pyruvoyl tetrahydrobiopterin synthase	Q03393	PTS
120	7,8-dihydro-8-oxoguanine triphosphatase	P36639	NUDT1
121	72 kDa inositol polyphosphate 5-phosphatase	Q9NRR6	INPP5E
122	72 kDa type IV collagenase	P08253	MMP2
123	78 kDa glucose-regulated protein	P11021	HSPA5
124	7-methylguanosine phosphate-specific 5'-nucleotidase	Q969T7	NT5C3B
125	A disintegrin and metalloproteinase with thrombospondin motifs 1	Q9UHI8	ADAMTS1
126	A disintegrin and metalloproteinase with thrombospondin motifs 13	Q76LX8	ADAMTS13
127	A disintegrin and metalloproteinase with thrombospondin motifs 15	Q8TE58	ADAMTS15
128	A disintegrin and metalloproteinase with thrombospondin motifs 3	O15072	ADAMTS3



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129	A disintegrin and metalloproteinase with thrombospondin motifs 4	O75173	ADAMTS4
130	A disintegrin and metalloproteinase with thrombospondin motifs 5	Q9UNAO	ADAMTS5
131	A disintegrin and metalloproteinase with thrombospondin motifs 6	Q9UKP5	ADAMTS6
132	AarF domain-containing protein kinase 4	Q96D53	COQ8B
133	Abelson tyrosine-protein kinase 2	P42684	ABL2
134	Abelson tyrosine-protein kinase 2	P42684	ABL2
135	ABI gene family member 3	Q9P2A4	ABI3
136	Absent in melanoma 2	O14862	AIM2
137	Acetoacetyl-CoA synthetase	Q86V21	AACS
138	Acetylcholinesterase	P22303	ACHE
139	Acetylcholinesterase	P22303	ACHE
140	Acetyl-CoA acetyltransferase, cytosolic	Q9BWD1	ACAT2
141	Acetyl-CoA acetyltransferase, mitochondrial	P24752	ACAT1
142	Acetyl-coenzyme A synthetase, cytoplasmic	Q9NR19	ACSS2
143	Acid ceramidase	Q13510	ASAHI
144	Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	SMPDL3A
145	Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	SMPDL3A
146	Acidic fibroblast growth factor intracellular-binding protein	O43427	FIBP
147	Acidic leucine-rich nuclear phosphoprotein 32 family member A	P39687	ANP32A
148	Acidic leucine-rich nuclear phosphoprotein 32 family member B	Q92688	ANP32B
149	Acidic leucine-rich nuclear phosphoprotein 32 family member C	O43423	ANP32C
150	Acidic mammalian chitinase	Q9BZP6	CHIA
151	Acid-sensing ion channel 4	Q96FT7	ASIC4
152	Acrosomal protein SP-10	P26436	ACRV1
153	Acrosomal protein SP-10	P26436	ACRV1
154	Actin filament-associated protein 1-like 1	Q8TED9	AFAP1L1
155	Actin filament-associated protein 1-like 2	Q8N4X5	AFAP1L2
156	Actin-binding LIM protein 3	O94929	ABLIM3
157	Actin-related protein 2/3 complex subunit 1B	O15143	ARPC1B
158	Actin-related protein 2/3 complex subunit 2	O15144	ARPC2
159	Actin-related protein 2/3 complex subunit 3	O15145	ARPC3
160	Actin-related protein 2/3 complex subunit 5	O15511	ARPC5

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161	Activated Protein C	P04070	PROC
162	Activated Protein C	P04070	PROC
163	Activated RNA polymerase II transcriptional coactivator p15	P53999	SUB1
164	Activating signal cointegrator 1 complex subunit 1	Q8N9N2	ASCC1
165	Activating signal cointegrator 1 complex subunit 2	Q9H1I8	ASCC2
166	Activator of 90 kDa heat shock protein ATPase homolog 1	O95433	AHSA1
167	Activator of apoptosis harakiri	O00198	HRK
168	Active breakpoint cluster region-related protein	Q12979	ABR
169	Activin A	P08476	INHBA
170	Activin A	P08476	INHBA
171	Activin B	P09529	INHBB
172	Activin receptor type-1B	P36896	ACVR1B
173	Activin receptor type-2A	P27037	ACVR2A
174	Activin receptor type-2B	Q13705	ACVR2B
175	Activin RIA	Q04771	ACVR1
176	Activity-regulated cytoskeleton-associated protein	Q7LC44	ARC
177	Acyl-CoA synthetase family member 2, mitochondrial	Q96CM8	ACSF2
178	Acyl-CoA synthetase short-chain family member 3, mitochondrial	Q9H6R3	ACSS3
179	Acyl-CoA-binding domain-containing protein 4	Q8NC06	ACBD4
180	Acyl-CoA-binding domain-containing protein 6	Q9BR61	ACBD6
181	Acyl-CoA-binding domain-containing protein 6	Q9BR61	ACBD6
182	Acyl-CoA-binding domain-containing protein 7	Q8N6N7	ACBD7
183	Acyl-CoA-binding protein	P07108	DBI
184	Acyl-coenzyme A thioesterase 12	Q8WYK0	ACOT12
185	Acyl-coenzyme A thioesterase 13	Q9NPJ3	ACOT13
186	Acyl-coenzyme A thioesterase 8	O14734	ACOT8
187	Acyl-coenzyme A thioesterase THEM4	Q5T1C6	THEM4
188	Acylphosphatase-1	P07311	ACYP1
189	Acylphosphatase-2	P14621	ACYP2
190	Acylpyruvate FAHD1, mitochondrial	Q6P587	FAHD1
191	ADAM 28	Q9UKQ2	ADAM28
192	ADAM 8	P78325	ADAM8



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193	ADAM DEC1	O15204	ADAMDEC1
194	ADAMTS-like protein 1	Q8N6G6	ADAMTSL1
195	ADAMTS-like protein 1	Q8N6G6	ADAMTSL1
196	ADAMTS-like protein 2	Q86TH1	ADAMTSL2
197	Adapter molecule crk	P46108	CRK
198	Adaptin ear-binding coat-associated protein 2	Q9NVZ3	NECAP2
199	Adenine DNA glycosylase	Q9UIF7	MUTYH
200	Adenine phosphoribosyltransferase	P07741	APRT
201	Adenosine deaminase	P00813	ADA
202	Adenosine deaminase CECR1	Q9NZK5	ADA2
203	Adenosine kinase	P55263	ADK
204	Adenosylhomocysteinase	P23526	AHCY
205	Adenosylhomocysteinase 2	O43865	AHCYL1
206	Adenylate kinase 2, mitochondrial	P54819	AK2
207	Adenylate kinase 4, mitochondrial	P27144	AK4
208	Adenylate kinase isoenzyme 1	P00568	AK1
209	Adenylate kinase isoenzyme 5	Q9Y6K8	AK5
210	Adenylosuccinate lyase	P30566	ADSL
211	Adenylosuccinate synthetase isozyme 1	Q8N142	ADSS1
212	Adenylosuccinate synthetase isozyme 2	P30520	ADSS2
213	Adenylyl cyclase-associated protein 1	Q01518	CAP1
214	Adenylyltransferase and sulfurtransferase MOCS3	O95396	MOCS3
215	Adhesion G protein-coupled receptor B2	O60241	ADGRB2
216	Adhesion G protein-coupled receptor B3	O60242	ADGRB3
217	Adhesion G protein-coupled receptor E2	Q9UHX3	ADGRE2
218	Adhesion G protein-coupled receptor F5	Q8IZF2	ADGRF5
219	Adhesion G-protein coupled receptor D1	Q6QN2	ADGRD1
220	Adhesion G-protein coupled receptor F1	Q5T601	ADGRF1
221	Adhesion G-protein coupled receptor F2	Q8IZF7	ADGRF2
222	Adhesion G-protein coupled receptor G1	Q9Y653	ADGRG1
223	Adhesion G-protein coupled receptor G5	Q8IZF4	ADGRG5
224	Adipocyte plasma membrane-associated protein	Q9HDC9	APMAP

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225	Adiponectin	Q15848	ADIPOQ
226	ADM2	Q7Z4H4	ADM2
227	ADP-dependent glucokinase	Q9BRR6	ADPGK
228	ADP-ribose pyrophosphatase, mitochondrial	Q9BW91	NUDT9
229	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	P28907	CD38
230	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	P28907	CD38
231	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2	Q10588	BST1
232	ADP-ribosylation factor 1	P84077	ARF1
233	ADP-ribosylation factor 3	P61204	ARF3
234	ADP-ribosylation factor 4	P18085	ARF4
235	ADP-ribosylation factor 5	P84085	ARF5
236	ADP-ribosylation factor 6	P62330	ARF6
237	ADP-ribosylation factor GTPase-activating protein 1	Q8N6T3	ARFGAP1
238	ADP-ribosylation factor GTPase-activating protein 2	Q8N6H7	ARFGAP2
239	ADP-ribosylation factor-binding protein GGA1	Q9UJY5	GGA1
240	ADP-ribosylation factor-binding protein GGA3	Q9NZ52	GGA3
241	ADP-ribosylation factor-like protein 1	P40616	ARL1
242	ADP-ribosylation factor-like protein 11	Q969Q4	ARL11
243	ADP-ribosylation factor-like protein 14	Q8N4G2	ARL14
244	ADP-ribosylation factor-like protein 15	Q9NXU5	ARL15
245	ADP-ribosylation factor-like protein 2	P36404	ARL2
246	ADP-ribosylation factor-like protein 2-binding protein	Q9Y2Y0	ARL2BP
247	ADP-ribosylation factor-like protein 3	P36405	ARL3
248	ADP-ribosylation factor-like protein 4D	P49703	ARL4D
249	ADP-ribosylation factor-like protein 5A	Q9Y689	ARL5A
250	ADP-ribosylation factor-like protein 5B	Q96KC2	ARL5B
251	ADP-ribosylation factor-like protein 6	Q9H0F7	ARL6
252	ADP-ribosylation factor-like protein 6-interacting protein 1	Q15041	ARL6IP1
253	ADP-ribosylation factor-like protein 8A	Q96BM9	ARL8A
254	ADP-ribosylation factor-like protein 8B	Q9NVJ2	ARL8B
255	ADP-ribosylation factor-like protein 9	Q6T311	ARL9
256	ADP-sugar pyrophosphatase	Q9UKK9	NUDT5



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257	Adrenodoxin-like protein, mitochondrial	Q6P4F2	FDX2
258	Adrenomedullin	P35318	ADM
259	Adrenomedullin	P35318	ADM
260	Adseverin	Q9Y6U3	SCIN
261	Advanced glycosylation end product-specific receptor, soluble	Q15109	AGER
262	Afamin	P43652	AFM
263	Afamin	P43652	AFM
264	Aflatoxin B1 aldehyde reductase member 2	O43488	AKR7A2
265	Aflatoxin B1 aldehyde reductase member 3	O95154	AKR7A3
266	Aggrecan core protein	P16112	ACAN
267	Agouti-related protein	O00253	AGRP
268	Agouti-signaling protein	P42127	ASIP
269	Agrin	O00468	AGRN
270	AH receptor-interacting protein	O00170	AIP
271	A-kinase anchor protein 7 isoforms alpha and beta	O43687	AKAP7
272	Akirin-2	Q53H80	AKIRIN2
273	Alanine aminotransferase 1	P24298	GPT
274	Alanine aminotransferase 1	P24298	GPT
275	Alanine aminotransferase 2	Q8TD30	GPT2
276	Alanine--tRNA ligase, cytoplasmic	P49588	AARS1
277	Alanyl-tRNA editing protein Aarsd1	Q9BTE6	AARSD1
278	Alcohol dehydrogenase [NADP(+)]	P14550	AKR1A1
279	Alcohol dehydrogenase 1A	P07327	ADH1A
280	Alcohol dehydrogenase 1B	P00325	ADH1B
281	Alcohol dehydrogenase 1C	P00326	ADH1C
282	Alcohol dehydrogenase 4	P08319	ADH4
283	Alcohol dehydrogenase 6	P28332	ADH6
284	Alcohol dehydrogenase class 4 mu/sigma chain	P40394	ADH7
285	Alcohol dehydrogenase class-3	P11766	ADH5
286	Aldehyde dehydrogenase family 1 member A3	P47895	ALDH1A3
287	Aldehyde dehydrogenase family 3 member B1	P43353	ALDH3B1
288	Aldehyde dehydrogenase X, mitochondrial	P30837	ALDH1B1

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289	Aldehyde dehydrogenase, dimeric NADP-preferring	P30838	ALDH3A1
290	Aldehyde dehydrogenase, mitochondrial	P05091	ALDH2
291	Aldo-keto reductase family 1 member B10	O60218	AKR1B10
292	Aldo-keto reductase family 1 member C1	Q04828	AKR1C1
293	Aldo-keto reductase family 1 member C2	P52895	AKR1C2
294	Aldo-keto reductase family 1 member C3	P42330	AKR1C3
295	Aldo-keto reductase family 1 member C4	P17516	AKR1C4
296	Aldose reductase	P15121	AKR1B1
297	Aldose reductase	P15121	AKR1B1
298	ALK and LTK ligand 2	Q6UX46	ALKAL2
299	ALK tyrosine kinase receptor	Q9UM73	ALK
300	Alkaline phosphatase, placental type	P05187	ALPP
301	Alkaline phosphatase, placental-like	P10696	ALPG
302	Alkaline phosphatase, placental-like	P10696	ALPG
303	Alkaline phosphatase, tissue-nonspecific isozyme	P05186	ALPL
304	Allergin-1	Q7Z6M3	MILR1
305	Allograft inflammatory factor 1	P55008	AIF1
306	Allograft inflammatory factor 1-like	Q9BQI0	AIF1L
307	Alpha- and gamma-adaptin-binding protein p34	Q6PD74	AAGAB
308	Alpha-(1,3)-fucosyltransferase	Q11130	FUT7
309	Alpha-(1,3)-fucosyltransferase 10	Q6P4F1	FUT10
310	Alpha-(1,3)-fucosyltransferase 11	Q495W5	FUT11
311	Alpha-(1,3)-fucosyltransferase 5	Q11128	FUT5
312	Alpha-(1,3)-fucosyltransferase 9	Q9Y231	FUT9
313	Alpha-(1,6)-fucosyltransferase	Q9BYC5	FUT8
314	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	P26572	MGAT1
315	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A	Q9UM21	MGAT4A
316	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B	Q9UQ53	MGAT4B
317	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C	Q9UBM8	MGAT4C
318	Alpha-1,3-mannosyltransferase ALG2	Q9H553	ALG2
319	Alpha-1,4-N-acetylglucosaminyltransferase	Q9UNA3	A4GNT
320	Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	Q10469	MGAT2



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321	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	Q09328	MGAT5
322	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	Q09328	MGAT5
323	Alpha-1-antichymotrypsin	P01011	SERPINA3
324	Alpha-1-antichymotrypsin complex	P01011	SERPINA3
325	Alpha-1-antitrypsin	P01009	SERPINA1
326	Alpha-1B-glycoprotein	P04217	A1BG
327	Alpha-1-microglobulin	P02760	AMBP
328	Alpha-1-syntrophin	Q13424	SNTA1
329	Alpha-1-syntrophin	Q13424	SNTA1
330	Alpha-2,8-sialyltransferase 8B	Q92186	ST8SIA2
331	Alpha-2,8-sialyltransferase 8F	P61647	ST8SIA6
332	Alpha-2-antiplasmin	P08697	SERPINF2
333	Alpha-2-HS-glycoprotein	P02765	AHSG
334	Alpha-2-HS-glycoprotein	P02765	AHSG
335	Alpha-2-macroglobulin	P01023	A2M
336	alpha-2-macroglobulin receptor-associated protein	P30533	LRPAP1
337	Alpha-2-macroglobulin-like protein 1	A8K2U0	A2ML1
338	Alpha-actinin-1	P12814	ACTN1
339	Alpha-actinin-2	P35609	ACTN2
340	Alpha-actinin-4	O43707	ACTN4
341	Alpha-aminoacidic semialdehyde dehydrogenase	P49419	ALDH7A1
342	Alpha-amylase 1	P04745	AMY1A
343	Alpha-amylase 2B	P19961	AMY2B
344	Alpha-amylase 2B	P19961	AMY2B
345	Alpha-crystallin A chain	P02489	CRYAA
346	Alpha-endosulfine	O43768	ENSA
347	Alpha-enolase	P06733	ENO1
348	alpha-Fetoprotein	P02771	AFP
349	Alpha-galactosidase A	P06280	GLA
350	Alpha-hemoglobin-stabilizing protein	Q9NZD4	AHSP
351	Alpha-internexin	Q16352	INA
352	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3	Q96Q83	ALKBH3



SL00000649 Rev1:2021-08

SomaScan v4.1 Protein List

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#	Human Target or Analyte	UniProt ID	GeneID
353	Alpha-L-fucoside fucohydrolase	P04066	FUCA1
354	Alpha-L-iduronidase	P35475	IDUA
355	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	Q9NSC7	ST6GALNAC1
356	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	Q9UJ37	ST6GALNAC2
357	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	Q8NDV1	ST6GALNAC3
358	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	Q8NDV1	ST6GALNAC3
359	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	Q9BVH7	ST6GALNAC5
360	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	Q969X2	ST6GALNAC6
361	Alpha-N-acetylglucosaminidase	P54802	NAGLU
362	Alpha-N-acetylneuraminate alpha-2,8-sialyltransferase	Q92185	ST8SIA1
363	Alpha-N-acetylneuraminate alpha-2,8-sialyltransferase	Q92185	ST8SIA1
364	Alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3-N-acetyl-galactosaminide alpha-2,6-sialyltransferase	Q9H4F1	ST6GALNAC4
365	Alpha-parvin	Q9NVD7	PARVA
366	Alpha-soluble NSF attachment protein	P54920	NAPA
367	Alpha-synuclein	P37840	SNCA
368	Alpha-synuclein	P37840	SNCA
369	Alpha-taxilin	P40222	TXLNA
370	Alpha-taxilin	P40222	TXLNA
371	Alpha-tocopherol transfer protein-like	Q9BTX7	TTPAL
372	Amiloride-sensitive amine oxidase [copper-containing]	P19801	AOC1
373	Amiloride-sensitive amine oxidase [copper-containing]	P19801	AOC1
374	Aminoacylase-1	Q03154	ACY1
375	Aminomethyltransferase, mitochondrial	P48728	AMT
376	Aminopeptidase B	Q9H4A4	RNPEP
377	Aminopeptidase N	P15144	ANPEP
378	Amino-terminal enhancer of split	Q08117	TLE5
379	AMMECR1-like protein	Q6DCA0	AMMECR1L
380	AMP deaminase 2	Q01433	AMPD2
381	AMP Kinase (alpha1beta1gamma1)	Q13131 Q9Y478 P54619	PRKAA1 PRKAB1 PRKAG1
382	AMP Kinase (alpha2beta2gamma1)	P54646 O43741 P54619	PRKAA2 PRKAB2 PRKAG1

#	Human Target or Analyte	UniProt ID	GeneID
383	Amphiphysin	P49418	AMPH
384	Amphiregulin	P15514	AREG
385	Amphoterin-induced protein 1:Cytoplasmic domain	Q86WK6	AMIGO1
386	Amphoterin-induced protein 1:Extracellular domain	Q86WK6	AMIGO1
387	Amphoterin-induced protein 2	Q86SJ2	AMIGO2
388	Amphoterin-induced protein 2	Q86SJ2	AMIGO2
389	AMSH-like protease	Q96FJ0	STAMBPL1
390	Amyloid beta A4 precursor protein-binding family B member 1:Phosphotyrosine Interaction Domain 1	O00213	APBB1
391	Amyloid beta A4 precursor protein-binding family B member 1:Phosphotyrosine Interaction Domain 2	O00213	APBB1
392	Amyloid beta A4 precursor protein-binding family B member 1-interacting protein	Q7Z5R6	APBB1IP
393	Amyloid beta A4 precursor protein-binding family B member 2:Phosphotyrosine Interaction Domain 1	Q92870	APBB2
394	Amyloid beta A4 precursor protein-binding family B member 2:Phosphotyrosine Interaction Domain 2	Q92870	APBB2
395	Amyloid beta A4 precursor protein-binding family B member 3:Phosphotyrosine Interaction Domain 1,Isoform II	O95704	APBB3
396	Amyloid beta A4 precursor protein-binding family B member 3:Phosphotyrosine Interaction Domain 2,Isoform IV	O95704	APBB3
397	Amyloid beta A4 protein	P05067	APP
398	Amyloid-like protein 1	P51693	APLP1
399	Amyloid-like protein 2	Q06481	APLP2
400	Amyloid-like protein 2	Q06481	APLP2
401	AN1-type zinc finger protein 1	Q8TCF1	ZFAND1
402	AN1-type zinc finger protein 2B	Q8WV99	ZFAND2B
403	AN1-type zinc finger protein 3	Q9H8U3	ZFAND3
404	AN1-type zinc finger protein 5	O76080	ZFAND5
405	Anaphase-promoting complex subunit 10	Q9UM13	ANAPC10
406	Anaphase-promoting complex subunit 7	Q9UJX3	ANAPC7
407	Angiogenic factor with G patch and FHA domains 1	Q8N302	AGGF1
408	Angiogenin	P03950	ANG
409	Angiomotin	Q4VCS5	AMOT
410	Angiopoietin-1	Q15389	ANGPT1
411	Angiopoietin-1 receptor, soluble	Q02763	TEK
412	Angiopoietin-2	O15123	ANGPT2

#	Human Target or Analyte	UniProt ID	GeneID
413	Angiopoietin-2	O15123	ANGPT2
414	Angiopoietin-4	Q9Y264	ANGPT4
415	Angiopoietin-like protein 8	Q6UXH0	ANGPTL8
416	Angiopoietin-related protein 1:C-Term, Fibrinogen domain	O95841	ANGPTL1
417	Angiopoietin-related protein 1:N-term	O95841	ANGPTL1
418	Angiopoietin-related protein 3	Q9Y5C1	ANGPTL3
419	Angiopoietin-related protein 3	Q9Y5C1	ANGPTL3
420	Angiopoietin-related protein 4	Q9BY76	ANGPTL4
421	Angiopoietin-related protein 7	O43827	ANGPTL7
422	Angiotatin	P00747	PLG
423	Angiotensin-converting enzyme	P12821	ACE
424	Angiotensin-converting enzyme 2	Q9BYF1	ACE2
425	Angiotensinogen	P01019	AGT
426	Anion exchange transporter	Q8TE54	SLC26A7
427	Ankyrin repeat and MYND domain-containing protein 2	Q8IV38	ANKMY2
428	Ankyrin repeat and SAM domain-containing protein 3	Q6ZW76	ANKS3
429	Ankyrin repeat and SOCS box protein 13	Q8WXK3	ASB13
430	Ankyrin repeat and SOCS box protein 8	Q9H765	ASB8
431	Ankyrin repeat and SOCS box protein 9	Q96DX5	ASB9
432	Ankyrin repeat domain-containing protein 1	Q15327	ANKRD1
433	Ankyrin repeat domain-containing protein 1	Q15327	ANKRD1
434	Ankyrin repeat domain-containing protein 16	Q6P6B7	ANKRD16
435	Ankyrin repeat domain-containing protein 2	Q9GZV1	ANKRD2
436	Ankyrin repeat domain-containing protein 27	Q96NW4	ANKRD27
437	Ankyrin repeat domain-containing protein 40	Q6AI12	ANKRD40
438	Ankyrin repeat domain-containing protein 45	Q5TZF3	ANKRD45
439	Ankyrin repeat domain-containing protein 46	Q86W74	ANKRD46
440	Ankyrin repeat domain-containing protein 54	Q6NXT1	ANKRD54
441	Ankyrin repeat domain-containing protein 63	C9JTQ0	None
442	Ankyrin repeat family A protein 2	Q9H9E1	ANKRA2
443	Ankyrin-2	Q01484	ANK2
444	Annexin A1	P04083	ANXA1

#	Human Target or Analyte	UniProt ID	GeneID
445	Annexin A10	Q9UJ72	ANXA10
446	Annexin A11	P50995	ANXA11
447	Annexin A13	P27216	ANXA13
448	Annexin A2	P07355	ANXA2
449	Annexin A2	P07355	ANXA2
450	Annexin A3	P12429	ANXA3
451	Annexin A4	P09525	ANXA4
452	Annexin A5	P08758	ANXA5
453	Annexin A6	P08133	ANXA6
454	Annexin A7	P20073	ANXA7
455	Annexin A7	P20073	ANXA7
456	Annexin A8	P13928	ANXA8
457	Annexin A9	O76027	ANXA9
458	Anosmin-1	P23352	ANOS1
459	Anterior gradient protein 2 homolog	O95994	AGR2
460	Anterior gradient protein 3	Q8TD06	AGR3
461	Anterior gradient protein 3	Q8TD06	AGR3
462	Anthrax toxin receptor 1	Q9H6X2	ANTXR1
463	Anthrax toxin receptor 2	P58335	ANTXR2
464	Antibacterial protein LL-37	P49913	CAMP
465	Antigen-presenting glycoprotein CD1d	P15813	CD1D
466	Antileukoproteinase	P03973	SLPI
467	Antithrombin-III	P01008	SERPINC1
468	Antizyme inhibitor 1	O14977	AZIN1
469	AP-1 complex subunit beta-1	Q10567	AP1B1
470	AP-1 complex subunit gamma-like 2	O75843	AP1G2
471	AP-1 complex subunit sigma-2	P56377	AP1S2
472	AP-1 complex-associated regulatory protein	Q63HQ0	AP1AR
473	AP-2 complex subunit alpha-2	O94973	AP2A2
474	AP-2 complex subunit beta-1	P63010	AP2B1
475	AP-4 complex accessory subunit tepsin	Q96N21	TEPSIN
476	AP-4 complex subunit mu-1	O00189	AP4M1

#	Human Target or Analyte	UniProt ID	GeneID
477	Apelin	Q9ULZ1	APLN
478	APOBEC1 complementation factor	Q9NQ94	A1CF
479	Apolipoprotein A-I	P02647	APOA1
480	Apolipoprotein A-II	P02652	APOA2
481	Apolipoprotein A-IV	P06727	APOA4
482	Apolipoprotein A-V	Q6Q788	APOA5
483	Apolipoprotein A-V	Q6Q788	APOA5
484	Apolipoprotein B	P04114	APOB
485	Apolipoprotein C-I	P02654	APOC1
486	Apolipoprotein C-II	P02655	APOC2
487	Apolipoprotein C-III	P02656	APOC3
488	Apolipoprotein D	P05090	APOD
489	Apolipoprotein D	P05090	APOD
490	Apolipoprotein E	P02649	APOE
491	Apolipoprotein E (isoform E2)	P02649	APOE
492	Apolipoprotein E (isoform E3)	P02649	APOE
493	Apolipoprotein E (isoform E4)	P02649	APOE
494	Apolipoprotein F	Q13790	APOF
495	Apolipoprotein L1	O14791	APOL1
496	Apolipoprotein L1	O14791	APOL1
497	Apolipoprotein L1	O14791	APOL1
498	Apolipoprotein L3	O95236	APOL3
499	Apolipoprotein M	O95445	APOM
500	Apolipoprotein M	O95445	APOM
501	Apolipoprotein-L2	Q9BQE5	APOL2
502	Apoptosis facilitator Bcl-2-like protein 14	Q9BZR8	BCL2L14
503	Apoptosis regulator Bcl-2	P10415	BCL2
504	Apoptosis-associated speck-like protein containing a CARD	Q9ULZ3	PYCARD
505	Apoptosis-inducing factor 1, mitochondrial	O95831	AIFM1
506	Apoptotic protease-activating factor 1	O14727	APAF1
507	Appetite-regulating hormone	Q9UBU3	GHRL
508	Appetite-regulating hormone	Q9UBU3	GHRL

#	Human Target or Analyte	UniProt ID	GeneID
509	Aprataxin	Q7Z2E3	APTX
510	Aquaporin-4	P55087	AQP4
511	Arachidonate 15-lipoxygenase B	O15296	ALOX15B
512	Arfaptin-1	P53367	ARFIP1
513	Arfaptin-2	P53365	ARFIP2
514	Arf-GAP domain and FG repeat-containing protein 1	P52594	AGFG1
515	Arf-GAP domain and FG repeat-containing protein 2	O95081	AGFG2
516	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2	Q15057	ACAP2
517	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2	Q99490	AGAP2
518	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3	Q96P47	AGAP3
519	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	O43150	ASAP2
520	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 3	Q8TDY4	ASAP3
521	Arginase-1	P05089	ARG1
522	Arginase-2, mitochondrial	P78540	ARG2
523	Arginine-serine-rich protein 1	Q9BUV0	RSRP1
524	Arginine-hydroxylase NDUFAF5, mitochondrial	Q5TEU4	NDUFAF5
525	Argininosuccinate lyase	P04424	ASL
526	Arginyl-tRNA-protein transferase 1	O95260	ATE1
527	Armadillo repeat-containing protein 10	Q8N2F6	ARMC10
528	Armadillo repeat-containing protein 3	Q5W041	ARMC3
529	Armadillo repeat-containing protein 5:Armadillo Repeat Domain 2	Q96C12	ARMC5
530	Armadillo repeat-containing protein 5:Armadillo Repeat Domain 5	Q96C12	ARMC5
531	Armadillo repeat-containing protein 8	Q8IUR7	ARMC8
532	Aromatic-L-amino-acid decarboxylase	P20711	DDC
533	Arrestin domain-containing protein 3	Q96B67	ARRDC3
534	Arrestin domain-containing protein 5	A6NEK1	ARRDC5
535	Arsenite methyltransferase	Q9HBK9	AS3MT
536	Artemin	Q5T4W7	ARTN
537	Aryl hydrocarbon receptor nuclear translocator	P27540	ARNT
538	Arylamine N-acetyltransferase 1	P18440	NAT1
539	Aryl-hydrocarbon-interacting protein-like 1	Q9NZN9	AIPL1
540	Arylsulfatase A	P15289	ARSA

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541	Arylsulfatase A	P15289	ARSA
542	Arylsulfatase B	P15848	ARSB
543	Arylsulfatase K	Q6UWY0	ARSK
544	Asialoglycoprotein receptor 1	P07306	ASGR1
545	Asialoglycoprotein receptor 2	P07307	ASGR2
546	Asparagine synthetase	P08243	ASNS
547	Asparaginyl-tRNA synthetase, cytoplasmic	O43776	NARS1
548	Aspartate aminotransferase, cytoplasmic	P17174	GOT1
549	Aspartate aminotransferase, mitochondrial	P00505	GOT2
550	Aspartate aminotransferase, mitochondrial	P00505	GOT2
551	Aspartate-tRNA ligase, cytoplasmic	P14868	DARS1
552	Aspartate-tRNA ligase, mitochondrial	Q6PI48	DARS2
553	Aspartoacylase	P45381	ASPA
554	Aspartoacylase-2	Q96HD9	ACY3
555	Aspartyl aminopeptidase	Q9ULA0	DNPEP
556	Aspartyl/asparaginyl beta-hydroxylase	Q12797	ASPH
557	Asporin	Q9BXN1	ASPN
558	Astacin-like metalloendopeptidase	Q6HA08	ASTL
559	Astrocytic phosphoprotein PEA-15	Q15121	PEA15
560	Ataxin-10	Q9UBB4	ATXN10
561	Ataxin-2-binding protein 1	Q9NWB1	RBFOX1
562	Ataxin-3	P54252	ATXN3
563	Atlastin-3	Q6DD88	ATL3
564	ATP synthase B chain, mitochondrial	P24539	ATP5PB
565	ATP synthase B chain, mitochondrial	P24539	ATP5PB
566	ATP synthase subunit beta, mitochondrial	P06576	ATP5F1B
567	ATP synthase subunit f, mitochondrial	P56134	ATP5MF
568	ATP synthase subunit O, mitochondrial	P48047	ATP5PO
569	ATP synthase-coupling factor 6, mitochondrial	P18859	ATP5PF
570	ATPase ASNA1	O43681	GET3
571	ATPase family AAA domain-containing protein 1	Q8NBU5	ATAD1
572	ATPase family AAA domain-containing protein 2	Q6PL18	ATAD2

#	Human Target or Analyte	UniProt ID	GeneID
573	ATPase inhibitor, mitochondrial	Q9UII2	ATP5IF1
574	ATPase WRNIP1	Q96S55	WRNIP1
575	ATP-binding cassette sub-family D member 4	O14678	ABCD4
576	ATP-binding cassette sub-family F member 3	Q9NUQ8	ABCF3
577	ATP-citrate synthase	P53396	ACLY
578	ATP-dependent 6-phosphofructokinase, muscle type	P08237	PFKM
579	ATP-dependent Clp protease proteolytic subunit, mitochondrial	Q16740	CLPP
580	ATP-dependent DNA helicase Q1	P46063	RECQL
581	ATP-dependent RNA helicase A	Q08211	DHX9
582	ATP-dependent RNA helicase DDX1	Q92499	DDX1
583	ATP-dependent RNA helicase DDX19A	Q9NUU7	DDX19A
584	ATP-dependent RNA helicase DDX19B	Q9UMR2	DDX19B
585	ATP-dependent RNA helicase DDX25	Q9UHL0	DDX25
586	ATP-dependent RNA helicase DHX8	Q14562	DHX8
587	ATP-dependent zinc metalloprotease YME1L1	Q96TA2	YME1L1
588	Atrial natriuretic factor	P01160	NPPA
589	AT-rich interactive domain-containing protein 1A	O14497	ARID1A
590	AT-rich interactive domain-containing protein 3A	Q99856	ARID3A
591	AT-rich interactive domain-containing protein 3C	A6NKF2	ARID3C
592	Attractin	O75882	ATRN
593	Augurin	Q9H1Z8	ECRG4
594	Aurora kinase A	O14965	AURKA
595	Aurora kinase B	Q96GD4	AURKB
596	Autophagy protein 5	Q9H1Y0	ATG5
597	Axin interactor, dorsalization-associated protein	Q96BJ3	AIDA
598	Axin-2	Q9Y2T1	AXIN2
599	Axin-2	Q9Y2T1	AXIN2
600	Axonemal dynein light intermediate polypeptide 1	O14645	DNALI1
601	Azurocidin	P20160	AZU1
602	Azurocidin	P20160	AZU1
603	B- and T-lymphocyte attenuator	Q7Z6A9	BTLA
604	B melanoma antigen 2	Q86Y30	BAGE2

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605	B melanoma antigen 3	Q86Y29	BAGE3
606	B9 domain-containing protein 2	Q9BPU9	B9D2
607	Bactericidal permeability-increasing protein	P17213	BPI
608	Baculoviral IAP repeat-containing protein 2	Q13490	BIRC2
609	Baculoviral IAP repeat-containing protein 2	Q13490	BIRC2
610	Baculoviral IAP repeat-containing protein 3	Q13489	BIRC3
611	Baculoviral IAP repeat-containing protein 5	O15392	BIRC5
612	Baculoviral IAP repeat-containing protein 7	Q96CA5	BIRC7
613	Baculoviral IAP repeat-containing protein 7 Isoform beta	Q96CA5	BIRC7
614	BAG family molecular chaperone regulator 1	Q99933	BAG1
615	BAG family molecular chaperone regulator 2	O95816	BAG2
616	BAG family molecular chaperone regulator 3	O95817	BAG3
617	BAG family molecular chaperone regulator 4	O95429	BAG4
618	BAG family molecular chaperone regulator 5	Q9UL15	BAG5
619	Band 4.1-like protein 1	Q9H4G0	EPB41L1
620	Basal Cell Adhesion Molecule	P50895	BCAM
621	Basement membrane-specific heparan sulfate proteoglycan core protein	P98160	HSPG2
622	Basic leucine zipper and W2 domain-containing protein 2	Q9Y6E2	BZW2
623	Basic leucine zipper transcriptional factor ATF-like	Q16520	BATF
624	Basic leucine zipper transcriptional factor ATF-like 3	Q9NR55	BATF3
625	Basigin	P35613	BSG
626	B-cell antigen receptor complex-associated protein alpha chain	P11912	CD79A
627	B-cell antigen receptor complex-associated protein alpha chain	P11912	CD79A
628	B-cell antigen receptor complex-associated protein beta chain	P40259	CD79B
629	B-cell CLL/lymphoma 7 protein family member A	Q4VC05	BCL7A
630	B-cell differentiation antigen CD72	P21854	CD72
631	B-cell differentiation antigen CD72	P21854	CD72
632	B-cell linker protein	Q8WV28	BLNK
633	B-cell lymphoma 6 protein	P41182	BCL6
634	B-cell lymphoma 6 protein	P41182	BCL6
635	B-cell lymphoma/leukemia 10	O95999	BCL10
636	B-cell lymphoma/leukemia 11A	Q9H165	BCL11A

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637	B-cell receptor CD22	P20273	CD22
638	B-cell receptor-associated protein 29	Q9UHQ4	BCAP29
639	B-cell receptor-associated protein 31	P51572	BCAP31
640	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3	Q12983	BNIP3
641	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like	O60238	BNIP3L
642	Bcl2-associated agonist of cell death	Q92934	BAD
643	Bcl-2-like protein 1	Q07817	BCL2L1
644	Bcl-2-like protein 10	Q9HD36	BCL2L10
645	Bcl-2-like protein 10	Q9HD36	BCL2L10
646	Bcl-2-like protein 11	O43521	BCL2L11
647	Bcl-2-like protein 2	Q92843	BCL2L2
648	Bcl-2-like protein 2	Q92843	BCL2L2
649	Bcl-2-modifying factor	Q96LC9	BMF
650	Bcl-2-related protein A1	Q16548	BCL2A1
651	BDNF/NT-3 growth factors receptor	Q16620	NTRK2
652	Beclin-1	Q14457	BECN1
653	Beclin-1	Q14457	BECN1
654	BEN domain-containing protein 6	Q5SZJ8	BEND6
655	Benign Prostate specific Antigen	P07288	KLK3
656	BET1-like protein	Q9NYM9	BET1L
657	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase	Q02742	GCNT1
658	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4	Q9P109	GCNT4
659	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4	Q9P109	GCNT4
660	Beta-1,3-galactosyltransferase 1	Q9Y5Z6	B3GALT1
661	Beta-1,3-galactosyltransferase 2	O43825	B3GALT2
662	Beta-1,3-galactosyltransferase 5	Q9Y2C3	B3GALT5
663	Beta-1,3-galactosyltransferase 6	Q96L58	B3GALT6
664	Beta-1,3-glucosyltransferase	Q6Y288	B3GLCT
665	Beta-1,3-N-acetylglucosaminyltransferase manic fringe	O00587	MFNG
666	Beta-1,3-N-acetylglucosaminyltransferase radical fringe	Q9Y644	RFNG
667	Beta-1,4 N-acetylgalactosaminyltransferase 1	Q00973	B4GALNT1



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668	Beta-1,4-galactosyltransferase 1	P15291	B4GALT1
669	Beta-1,4-galactosyltransferase 2	O60909	B4GALT2
670	Beta-1,4-galactosyltransferase 3	O60512	B4GALT3
671	Beta-1,4-galactosyltransferase 5	O43286	B4GALT5
672	Beta-1,4-galactosyltransferase 6	Q9UBX8	B4GALT6
673	Beta-1,4-galactosyltransferase 7	Q9UBV7	B4GALT7
674	Beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase	Q09327	MGAT3
675	Beta-1-syntrophin	Q13884	SNTB1
676	Beta-2-glycoprotein 1	P02749	APOH
677	Beta-2-microglobulin	P61769	B2M
678	Beta-2-microglobulin	P61769	B2M
679	Beta-adducin	P35612	ADD2
680	beta-adrenergic receptor kinase 1	P25098	GRK2
681	Beta-Ala-His dipeptidase	Q96KN2	CNDP1
682	Beta-Ala-His dipeptidase	Q96KN2	CNDP1
683	Beta-arrestin-1	P49407	ARRB1
684	Beta-casein	P05814	CSN2
685	Beta-catenin-interacting protein 1	Q9NSA3	CTNNBIP1
686	Betacellulin	P35070	BTC
687	Betacellulin	P35070	BTC
688	Beta-crystallin A2	P53672	CRYBA2
689	Beta-crystallin B1	P53674	CRYBB1
690	Beta-crystallin B2	P43320	CRYBB2
691	Beta-crystallin B3	P26998	CRYBB3
692	Beta-crystallin S	P22914	CRYGS
693	Beta-defensin 1	P60022	DEFB1
694	Beta-defensin 103	P81534	DEFB103A
695	Beta-defensin 104	Q8WTQ1	DEFB104A
696	Beta-defensin 106	Q8N104	DEFB106A
697	Beta-defensin 107	Q8IZN7	DEFB107A
698	Beta-defensin 108B	Q8NET1	DEFB108B
699	Beta-defensin 110	Q30KQ9	DEFB110



#	Human Target or Analyte	UniProt ID	GeneID
700	Beta-defensin 112	Q30KQ8	DEFB112
701	Beta-defensin 113	Q30KQ7	DEFB113
702	Beta-defensin 115	Q30KQ5	DEFB115
703	Beta-defensin 116	Q30KQ4	DEFB116
704	Beta-defensin 118	Q96PH6	DEFB118
705	Beta-defensin 119	Q8N690	DEFB119
706	Beta-defensin 121	Q5J5C9	DEFB121
707	Beta-defensin 125	Q8N687	DEFB125
708	Beta-defensin 127	Q9H1M4	DEFB127
709	Beta-defensin 128	Q7Z7B8	DEFB128
710	Beta-defensin 129	Q9H1M3	DEFB129
711	Beta-defensin 132	Q7Z7B7	DEFB132
712	Beta-defensin 135	Q30KP9	DEFB135
713	Beta-defensin 136	Q30KP8	DEFB136
714	Beta-defensin 4A	O15263	DEFB4A
715	Beta-dystroglycan	Q14118	DAG1
716	Beta-endorphin	P01189	POMC
717	Beta-enolase	P13929	ENO3
718	Beta-galactosidase	P16278	GLB1
719	Beta-galactoside alpha-2,6-sialyltransferase 1	P15907	ST6GAL1
720	Beta-galactoside alpha-2,6-sialyltransferase 2	Q96JF0	ST6GAL2
721	Beta-glucuronidase	P08236	GUSB
722	Beta-hexosaminidase alpha chain	P06865	HEXA
723	Beta-hexosaminidase subunit beta	P07686	HEXB
724	Beta-hexosaminidase subunit beta	P07686	HEXB
725	Beta-klotho	Q86Z14	KLB
726	Beta-lactamase-like protein FLJ75971	Q68D91	MBLAC2
727	Beta-mannosidase	O00462	MANBA
728	Beta-microseminoprotein	P08118	MSMB
729	beta-nerve growth factor	P01138	NGF
730	Beta-soluble NSF attachment protein	Q9H115	NAPB
731	Beta-tectorin	Q96PL2	TECTB

#	Human Target or Analyte	UniProt ID	GeneID
732	Beta-thromboglobulin	P02775	PPBP
733	Beta-ureidopropionase	Q9UBR1	UPB1
734	BH3-interacting domain death agonist	P55957	BID
735	Bicaudal D-related protein 1	Q6ZP65	BICDL1
736	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1	O43252	PAPSS1
737	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6	Q6NYC1	JMJD6
738	Bifunctional coenzyme A synthase	Q13057	COASY
739	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1	P52848	NDST1
740	Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA	Q8IUF8	RIOX2
741	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial	P13995	MTHFD2
742	Bifunctional polynucleotide phosphatase/kinase	Q96T60	PNKP
743	Bifunctional purine biosynthesis protein PURH	P31939	ATIC
744	Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase	Q9Y223	GNE
745	Biglycan	P21810	BGN
746	Biglycan	P21810	BGN
747	BIK	Q13323	BIK
748	Bile acid receptor	Q96RI1	NR1H4
749	Bile salt sulfotransferase	Q06520	SULT2A1
750	Bile salt-activated lipase	P19835	CEL
751	Biliverdin reductase A	P53004	BLVRA
752	Biogenesis of lysosome-related organelles complex 1 subunit 1	P78537	BLOC1S1
753	Biogenesis of lysosome-related organelles complex 1 subunit 2	Q6QNY1	BLOC1S2
754	Biogenesis of lysosome-related organelles complex 1 subunit 3	Q6QNY0	BLOC1S3
755	Biogenesis of lysosome-related organelles complex 1 subunit 5	Q8TDH9	BLOC1S5
756	Biogenesis of lysosome-related organelles complex 1 subunit 6	Q9UL45	BLOC1S6
757	Biotinidase	P43251	BTD
758	Biotinidase	P43251	BTD
759	Bis(5'-adenosyl)-triphosphatase	P49789	FHIT
760	Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]	P50583	NUDT2
761	Bisphosphoglycerate mutase	P07738	BPGM
762	Bleomycin hydrolase	Q13867	BLMH

#	Human Target or Analyte	UniProt ID	GeneID
763	BLOC-1-related complex subunit 5	Q969J3	BORCS5
764	BMP and activin membrane-bound inhibitor homolog:Cytoplasmic domain	Q13145	BAMBI
765	BMP and activin membrane-bound inhibitor homolog:Extracellular domain	Q13145	BAMBI
766	BMP and activin membrane-bound inhibitor homolog:Extracellular domain	Q13145	BAMBI
767	BMP-binding endothelial regulator protein	Q8N8U9	BMPER
768	BMP-binding endothelial regulator protein	Q8N8U9	BMPER
769	BolA-like protein 1	Q9Y3E2	BOLA1
770	BolA-like protein 2	Q9H3K6	BOLA2
771	BolA-like protein 3	Q53S33	BOLA3
772	Bombesin receptor-activated protein C6orf89	Q6UWU4	C6orf89
773	Bone marrow proteoglycan	P13727	PRG2
774	Bone marrow stromal antigen 2	Q10589	BST2
775	Bone morphogenetic protein 1	P13497	BMP1
776	Bone morphogenetic protein 10	O95393	BMP10
777	Bone morphogenetic protein 15	O95972	BMP15
778	Bone morphogenetic protein 2	P12643	BMP2
779	Bone morphogenetic protein 3	P12645	BMP3
780	Bone morphogenetic protein 3	P12645	BMP3
781	Bone morphogenetic protein 4	P12644	BMP4
782	Bone morphogenetic protein 4	P12644	BMP4
783	Bone morphogenetic protein 5	P22003	BMP5
784	Bone morphogenetic protein 6	P22004	BMP6
785	Bone morphogenetic protein 6	P22004	BMP6
786	Bone morphogenetic protein 7	P18075	BMP7
787	Bone morphogenetic protein 8B	P34820	BMP8B
788	Bone morphogenetic protein receptor type-1A	P36894	BMPR1A
789	Bone morphogenetic protein receptor type-1B	O00238	BMPR1B
790	Bone morphogenetic protein receptor type-2	Q13873	BMPR2
791	Bone sialoprotein 2	P21815	IBSP
792	Bone sialoprotein 2	P21815	IBSP
793	BPI fold-containing family A member 1	Q9NP55	BPIFA1
794	BPI fold-containing family A member 2	Q96DR5	BPIFA2

#	Human Target or Analyte	UniProt ID	GeneID
795	BPI fold-containing family A member 2	Q96DR5	BPIFA2
796	BPI fold-containing family B member 1	Q8TDL5	BPIFB1
797	BPI fold-containing family B member 1	Q8TDL5	BPIFB1
798	Brain acid soluble protein 1	P80723	BASP1
799	Brain natriuretic peptide 32	P16860	NPPB
800	Brain-derived neurotrophic factor	P23560	BDNF
801	Brain-derived neurotrophic factor	P23560	BDNF
802	Brain-enriched guanylate kinase-associated protein	Q9BUH8	BEGAIN
803	Brain-specific angiogenesis inhibitor 1	O14514	ADGRB1
804	Brain-specific angiogenesis inhibitor 1-associated protein 2	Q9UQB8	BAIAP2
805	Brain-specific serine protease 4	Q9GZN4	PRSS22
806	Branched-chain-amino-acid aminotransferase, mitochondrial	O15382	BCAT2
807	BRCA1-A complex subunit Abraxas	Q6UWZ7	ABRAXAS1
808	BRCA1-associated ATM activator 1	Q6PJG6	BRAT1
809	BRCA1-associated RING domain protein 1	Q99728	BARD1
810	BRCA2 and CDKN1A-interacting protein	Q9P287	BCCIP
811	Breast cancer anti-estrogen resistance protein 3:Guanine Nucleotide Exchange Factor Domain	O75815	BCAR3
812	Breast cancer anti-estrogen resistance protein 3:Src Homology domain	O75815	BCAR3
813	Breast cancer metastasis-suppressor 1-like protein	Q5PSV4	BRMS1L
814	Brevican core protein	Q96GW7	BCAN
815	BRICHOS domain-containing protein 5	Q6PL45	BRICD5
816	Bridging integrator 2	Q9UBW5	BIN2
817	Bridging integrator 3	Q9NQY0	BIN3
818	BRISC complex subunit Abro1	Q15018	ABRAXAS2
819	BRISC complex subunit Abro1	Q15018	ABRAXAS2
820	BRO1 domain-containing protein BROX	Q5VW32	BROX
821	Bromodomain testis-specific protein	Q58F21	BRDT
822	Bromodomain-containing protein 1	O95696	BRD1
823	Bromodomain-containing protein 2	P25440	BRD2
824	Bromodomain-containing protein 2	P25440	BRD2
825	Bromodomain-containing protein 4	O60885	BRD4
826	Brorin	Q2TAL6	VWC2



#	Human Target or Analyte	UniProt ID	GeneID
827	Brorin	Q2TAL6	VWC2
828	Brother of CDO	Q9BWV1	BOC
829	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 1	Q8WZ19	KCTD13
830	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2	Q13829	TNFAIP1
831	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 3	Q9H3F6	KCTD10
832	BTB/POZ domain-containing protein KCTD1	Q719H9	KCTD1
833	BTB/POZ domain-containing protein KCTD15	Q96SI1	KCTD15
834	BTB/POZ domain-containing protein KCTD17	Q8N5Z5	KCTD17
835	BTB/POZ domain-containing protein KCTD2	Q14681	KCTD2
836	BTB/POZ domain-containing protein KCTD3	Q9Y597	KCTD3
837	BTB/POZ domain-containing protein KCTD4	Q8WVF5	KCTD4
838	BTB/POZ domain-containing protein KCTD5	Q9NXV2	KCTD5
839	BTB/POZ domain-containing protein KCTD6	Q8NC69	KCTD6
840	BTB/POZ domain-containing protein KCTD6	Q8NC69	KCTD6
841	BTB/POZ domain-containing protein KCTD7	Q96MP8	KCTD7
842	BTB/POZ domain-containing protein KCTD7	Q96MP8	KCTD7
843	Butyrophilin subfamily 1 member A1	Q13410	BTN1A1
844	Butyrophilin subfamily 2 member A1	Q7KYR7	BTN2A1
845	Butyrophilin subfamily 2 member A2	Q8WVV5	BTN2A2
846	Butyrophilin subfamily 3 member A1	O00481	BTN3A1
847	Butyrophilin subfamily 3 member A2	P78410	BTN3A2
848	Butyrophilin subfamily 3 member A3	O00478	BTN3A3
849	Butyrophilin subfamily 3 member A3	O00478	BTN3A3
850	Butyrophilin-like protein 3	Q6UXE8	BTNL3
851	Butyrophilin-like protein 8	Q6UX41	BTNL8
852	Butyrophilin-like protein 9	Q6UXG8	BTNL9
853	C->U-editing enzyme APOBEC-2	Q9Y235	APOBEC2
854	C1GALT1-specific chaperone 1	Q96EU7	C1GALT1C1
855	C1GLT/C1GLC Complex	Q9NS00 Q96EU7	C1GALT1 C1GALT1C1
856	C1q-related factor	O75973	C1QL1
857	C-1-tetrahydrofolate synthase, cytoplasmic	P11586	MTHFD1



#	Human Target or Analyte	UniProt ID	GeneID
858	C3a anaphylatoxin	P01024	C3
859	C3a anaphylatoxin des Arginine	P01024	C3
860	C4a anaphylatoxin	P0C0L4 P0C0L5	C4A C4B
861	C4b-binding protein alpha chain	P04003	C4BPA
862	C4b-binding protein beta chain	P20851	C4BPB
863	C5a anaphylatoxin	P01031	C5
864	Cadherin-1	P12830	CDH1
865	Cadherin-1	P12830	CDH1
866	Cadherin-1	P12830	CDH1
867	Cadherin-10	Q9Y6N8	CDH10
868	Cadherin-11:Cytoplasmic domain	P55287	CDH11
869	Cadherin-11:Extracellular domain	P55287	CDH11
870	Cadherin-11:Extracellular domain	P55287	CDH11
871	Cadherin-12:Cytoplasmic domain	P55289	CDH12
872	Cadherin-12:Extracellular domain	P55289	CDH12
873	Cadherin-13	P55290	CDH13
874	Cadherin-15:Cytoplasmic domain	P55291	CDH15
875	Cadherin-15:Extracellular domain	P55291	CDH15
876	Cadherin-17	Q12864	CDH17
877	Cadherin-2	P19022	CDH2
878	Cadherin-20	Q9HBT6	CDH20
879	Cadherin-23	Q9H251	CDH23
880	Cadherin-3	P22223	CDH3
881	Cadherin-4	P55283	CDH4
882	Cadherin-5	P33151	CDH5
883	Cadherin-6	P55285	CDH6
884	Cadherin-6	P55285	CDH6
885	Cadherin-7	Q9ULB5	CDH7
886	Cadherin-8	P55286	CDH8
887	Cadherin-related family member 1	Q96JP9	CDHR1
888	Cadherin-related family member 3	Q6ZTQ4	CDHR3
889	Cadherin-related family member 5	Q9HBB8	CDHR5



#	Human Target or Analyte	UniProt ID	GeneID
890	Calbindin	P05937	CALB1
891	Calcineurin	Q08209 P63098	PPP3CA PPP3R1
892	Calcineurin B homologous protein 1	Q99653	CHP1
893	Calcineurin B homologous protein 3	Q96BS2	TESC
894	Calcineurin subunit B type 1	P63098	PPP3R1
895	Calcineurin subunit B type 2	Q96LZ3	PPP3R2
896	Calcipressin-1	P53805	RCAN1
897	Calcipressin-2	Q14206	RCAN2
898	Calcipressin-3	Q9UKA8	RCAN3
899	Calcitonin gene-related peptide 2	P10092	CALCB
900	Calcitonin receptor	P30988	CALCR
901	Calcium and integrin-binding protein 1	Q99828	CIB1
902	Calcium signal-modulating cyclophilin ligand	P49069	CAMLG
903	Calcium uptake protein 2, mitochondrial	Q8IYU8	MICU2
904	Calcium uptake protein 3, mitochondrial	Q86XE3	MICU3
905	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A	P54750	PDE1A
906	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B	Q01064	PDE1B
907	Calcium/calmodulin-dependent protein kinase II inhibitor 2	Q96S95	CAMK2N2
908	Calcium/calmodulin-dependent protein kinase kinase 1	Q8N5S9	CAMKK1
909	Calcium/calmodulin-dependent protein kinase type 1	Q14012	CAMK1
910	Calcium/calmodulin-dependent protein kinase type 1D	Q8IU85	CAMK1D
911	Calcium/calmodulin-dependent protein kinase type II subunit alpha	Q9UQM7	CAMK2A
912	Calcium/calmodulin-dependent protein kinase type II subunit beta	Q13554	CAMK2B
913	Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557	CAMK2D
914	Calcium/calmodulin-dependent protein kinase type IV	Q16566	CAMK4
915	Calcium-activated chloride channel regulator 1	A8K7I4	CLCA1
916	Calcium-activated chloride channel regulator 2	Q9UQC9	CLCA2
917	Calcium-activated potassium channel subunit beta-3	Q9NPA1	KCNMB3
918	Calcium-binding and coiled-coil domain-containing protein 2	Q13137	CALCOCO2
919	Calcium-binding protein 2	Q9NPB3	CABP2
920	Calcium-binding protein 39	Q9Y376	CAB39
921	Calcium-binding protein 39-like	Q9H9S4	CAB39L

#	Human Target or Analyte	UniProt ID	GeneID
922	Calcium-binding protein 5	Q9NP86	CABP5
923	Calcium-binding protein 7	Q86V35	CABP7
924	Calcium-binding protein 8	Q9BXU9	CALN1
925	Calcium-dependent phospholipase A2	P39877	PLA2G5
926	Calcium-dependent secretion activator 2	Q86UW7	CADPS2
927	Calcium-regulated heat-stable protein 1	Q9Y2V2	CARHSP1
928	Calcyclin-binding protein	Q9HB71	CACYBP
929	Calcyphosin	Q13938	CAPS
930	Calcyphosin-like protein	Q8WWF8	CAPSL
931	Caldesmon	Q05682	CALD1
932	Calgranulin A	P05109	S100A8
933	Calgranulin A	P05109	S100A8
934	Calmegin	O14967	CLGN
935	Calnexin	P27824	CANX
936	Calpain I	P07384 P04632	CAPN1 CAPNS1
937	Calpain small subunit 1	P04632	CAPNS1
938	Calpain small subunit 2	Q96L46	CAPNS2
939	Calpain-13	Q6MZZ7	CAPN13
940	Calpain-2 catalytic subunit	P17655	CAPN2
941	Calpain-3	P20807	CAPN3
942	Calpain-9	O14815	CAPN9
943	Calpastatin	P20810	CAST
944	Calponin-1	P51911	CNN1
945	Calponin-2	Q99439	CNN2
946	Calreticulin	P27797	CALR
947	Calretinin	P22676	CALB2
948	Calsenilin	Q9Y2W7	KCNIP3
949	Calsequestrin-1	P31415	CASQ1
950	Calsequestrin-2	O14958	CASQ2
951	Calsyntenin-1	O94985	CLSTN1
952	Calsyntenin-2	Q9H4D0	CLSTN2
953	Calsyntenin-3	Q9BQT9	CLSTN3

#	Human Target or Analyte	UniProt ID	GeneID
954	cAMP response element-binding protein	P16220	CREB1
955	cAMP-dependent protein kinase catalytic subunit alpha	P17612	PRKACA
956	cAMP-dependent protein kinase type I-alpha regulatory subunit	P10644	PRKAR1A
957	cAMP-dependent protein kinase type I-beta regulatory subunit	P31321	PRKAR1B
958	cAMP-dependent protein kinase type II-alpha regulatory subunit	P13861	PRKAR2A
959	cAMP-dependent protein kinase type II-beta regulatory subunit	P31323	PRKAR2B
960	cAMP-regulated phosphoprotein 19	P56211	ARPP19
961	cAMP-regulated phosphoprotein 21	Q9UBL0	ARPP21
962	cAMP-responsive element modulator	Q03060	CREM
963	cAMP-responsive element-binding protein-like 2	O60519	CREBL2
964	cAMP-specific 3',5'-cyclic phosphodiesterase 4A	P27815	PDE4A
965	cAMP-specific 3',5'-cyclic phosphodiesterase 4C	Q08493	PDE4C
966	cAMP-specific 3',5'-cyclic phosphodiesterase 4D	Q08499	PDE4D
967	Cancer/testis antigen 1	P78358	CTAG1A
968	Cancer/testis antigen 1B	P78358	CTAG1A
969	Cancer/testis antigen 55	Q8WUE5	CT55
970	Cancer/testis antigen family 45 member A1	Q5HYN5	CT45A1
971	Cancer/testis antigen family 45 member A3	Q8NHU0	CT45A3
972	Cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1	Q8N1G2	CMTR1
973	CapZ-interacting protein	Q6JBY9	RCSD1
974	Carbohydrate sulfotransferase 1	O43916	CHST1
975	Carbohydrate sulfotransferase 10	O43529	CHST10
976	Carbohydrate sulfotransferase 11	Q9NPF2	CHST11
977	Carbohydrate sulfotransferase 12	Q9NRB3	CHST12
978	Carbohydrate sulfotransferase 14	Q8NCHO	CHST14
979	Carbohydrate sulfotransferase 15	Q7LFX5	CHST15
980	Carbohydrate sulfotransferase 15	Q7LFX5	CHST15
981	Carbohydrate sulfotransferase 2	Q9Y4C5	CHST2
982	Carbohydrate sulfotransferase 2	Q9Y4C5	CHST2
983	Carbohydrate sulfotransferase 3	Q7LGC8	CHST3
984	Carbohydrate sulfotransferase 4	Q8NCG5	CHST4
985	Carbohydrate sulfotransferase 5	Q9GZS9	CHST5

#	Human Target or Analyte	UniProt ID	GeneID
986	Carbohydrate sulfotransferase 6	Q9GZX3	CHST6
987	Carbohydrate sulfotransferase 9	Q7L1S5	CHST9
988	Carbonic anhydrase 1	P00915	CA1
989	Carbonic anhydrase 12	O43570	CA12
990	Carbonic anhydrase 13	Q8N1Q1	CA13
991	Carbonic anhydrase 2	P00918	CA2
992	Carbonic anhydrase 3	P07451	CA3
993	Carbonic anhydrase 4	P22748	CA4
994	Carbonic anhydrase 4	P22748	CA4
995	Carbonic anhydrase 5A, mitochondrial	P35218	CA5A
996	Carbonic anhydrase 5B, mitochondrial	Q9Y2D0	CA5B
997	Carbonic anhydrase 6	P23280	CA6
998	Carbonic anhydrase 6	P23280	CA6
999	Carbonic anhydrase 7	P43166	CA7
1000	Carbonic anhydrase 9	Q16790	CA9
1001	Carbonic anhydrase-related protein	P35219	CA8
1002	Carbonic anhydrase-related protein 10	Q9NS85	CA10
1003	Carbonic anhydrase-related protein 10	Q9NS85	CA10
1004	Carbonic anhydrase-related protein 11	O75493	CA11
1005	Carbonyl reductase [NADPH] 1	P16152	CBR1
1006	Carbonyl reductase [NADPH] 3	O75828	CBR3
1007	Carbonyl reductase family member 4	Q8N4T8	CBR4
1008	Carboxylesterase 3	Q6UWW8	CES3
1009	Carboxylesterase 3	Q6UWW8	CES3
1010	Carboxymethylenebutenolidase homolog	Q96DG6	CMBL
1011	Carboxypeptidase A1	P15085	CPA1
1012	Carboxypeptidase A1	P15085	CPA1
1013	Carboxypeptidase A2	P48052	CPA2
1014	Carboxypeptidase A4	Q9UI42	CPA4
1015	Carboxypeptidase B	P15086	CPB1
1016	Carboxypeptidase B	P15086	CPB1
1017	Carboxypeptidase B2	Q96IY4	CPB2



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#	Human Target or Analyte	UniProt ID	GeneID
1018	Carboxypeptidase D	O75976	CPD
1019	Carboxypeptidase E	P16870	CPE
1020	Carboxypeptidase E	P16870	CPE
1021	Carboxypeptidase M	P14384	CPM
1022	Carboxypeptidase M	P14384	CPM
1023	Carboxypeptidase N catalytic chain	P15169	CPN1
1024	Carboxypeptidase N subunit 2	P22792	CPN2
1025	Carboxypeptidase Q	Q9Y646	CPQ
1026	Carboxypeptidase Z	Q66K79	CPZ
1027	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1	Q9GZU7	CTDSP1
1028	Carcinoembryonic antigen-related cell adhesion molecule 16	Q2WEN9	CEACAM16
1029	Carcinoembryonic antigen-related cell adhesion molecule 19	Q7Z692	CEACAM19
1030	Carcinoembryonic antigen-related cell adhesion molecule 20	Q6UY09	CEACAM20
1031	Carcinoembryonic antigen-related cell adhesion molecule 21	Q3KPI0	CEACAM21
1032	Carcinoembryonic antigen-related cell adhesion molecule 3	P40198	CEACAM3
1033	Carcinoembryonic antigen-related cell adhesion molecule 4	O75871	CEACAM4
1034	Carcinoembryonic antigen-related cell adhesion molecule 7	Q14002	CEACAM7
1035	Carcinoembryonic antigen-related cell adhesion molecule 8	P31997	CEACAM8
1036	Cardiotrophin-1	Q16619	CTF1
1037	Cardiotrophin-1	Q16619	CTF1
1038	Carnitine O-acetyltransferase	P43155	CRAT
1039	Carnitine O-palmitoyltransferase 1, muscle isoform	Q92523	CPT1B
1040	Carnosine N-methyltransferase	Q8N4J0	CARNMT1
1041	Cartilage acidic protein 1	Q9NQ79	CRTAC1
1042	Cartilage intermediate layer protein 1	O75339	CILP
1043	Cartilage intermediate layer protein 2	Q8IUL8	CILP2
1044	Cartilage oligomeric matrix protein	P49747	COMP
1045	Cas scaffolding protein family member 4	Q9NQ75	CASS4
1046	Casein kinase I isoform alpha-like	Q8N752	CSNK1A1L
1047	Casein kinase I isoform delta	P48730	CSNK1D
1048	Casein kinase I isoform gamma-1	Q9HCP0	CSNK1G1
1049	Casein kinase I isoform gamma-2	P78368	CSNK1G2



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#	Human Target or Analyte	UniProt ID	GeneID
1050	Casein kinase I isoform gamma-2	P78368	CSNK1G2
1051	Casein kinase II 2-alpha:2-beta heterotetramer	P68400 P67870	CSNK2A1 CSNK2B
1052	Casein kinase II 2-alpha':2-beta heterotetramer	P19784 P67870	CSNK2A2 CSNK2B
1053	Casein kinase II subunit alpha	P68400	CSNK2A1
1054	Casein kinase II subunit alpha	P68400	CSNK2A1
1055	Casein kinase II subunit alpha'	P19784	CSNK2A2
1056	Casein kinase II subunit beta	P67870	CSNK2B
1057	CASP8 and FADD-like apoptosis regulator	O15519	CFLAR
1058	Caspase recruitment domain-containing protein 17	Q5XLA6	CARD17
1059	Caspase recruitment domain-containing protein 18	P57730	CARD18
1060	Caspase recruitment domain-containing protein 19	Q96LW7	CARD19
1061	Caspase recruitment domain-containing protein 9	Q9H257	CARD9
1062	Caspase-10:region 1	Q92851	CASP10
1063	Caspase-10:region 2	Q92851	CASP10
1064	Caspase-10:region 2	Q92851	CASP10
1065	Caspase-14	P31944	CASP14
1066	Caspase-2	P42575	CASP2
1067	Caspase-3	P42574	CASP3
1068	Caspase-4	P49662	CASP4
1069	Caspase-5	P51878	CASP5
1070	Caspase-7	P55210	CASP7
1071	Caspase-8	Q14790	CASP8
1072	Catalase	P04040	CAT
1073	Catechol O-methyltransferase	P21964	COMT
1074	Catechol O-methyltransferase domain-containing protein 1	Q86VU5	COMTD1
1075	Catenin alpha-1	P35221	CTNNA1
1076	Catenin alpha-1	P35221	CTNNA1
1077	Catenin alpha-2	P26232	CTNNA2
1078	Catenin alpha-3	Q9UI47	CTNNA3
1079	Catenin beta-1	P35222	CTNNB1
1080	Catenin beta-1	P35222	CTNNB1
1081	Catenin beta-1	P35222	CTNNB1

#	Human Target or Analyte	UniProt ID	GeneID
1082	Cathelicidin antimicrobial peptide	P49913	CAMP
1083	Cathepsin B	P07858	CTSB
1084	Cathepsin B	P07858	CTSB
1085	Cathepsin D	P07339	CTSD
1086	Cathepsin E	P14091	CTSE
1087	Cathepsin F	Q9UBX1	CTSF
1088	Cathepsin F	Q9UBX1	CTSF
1089	Cathepsin G	P08311	CTSG
1090	Cathepsin H	P09668	CTSH
1091	Cathepsin H	P09668	CTSH
1092	Cathepsin K	P43235	CTSK
1093	Cathepsin L2	O60911	CTSV
1094	Cathepsin O	P43234	CTSO
1095	Cathepsin S	P25774	CTSS
1096	Cathepsin Z	Q9UBR2	CTSZ
1097	Cation-independent mannose-6-phosphate receptor	P11717	IGF2R
1098	Cation-independent mannose-6-phosphate receptor	P11717	IGF2R
1099	Caveolin-2	P51636	CAV2
1100	Caveolin-3	P56539	CAV3
1101	CB1 cannabinoid receptor-interacting protein 1	Q96F85	CNRIP1
1102	C-C motif chemokine 1	P22362	CCL1
1103	C-C motif chemokine 1	P22362	CCL1
1104	C-C motif chemokine 13	Q99616	CCL13
1105	C-C motif chemokine 14	Q16627	CCL14
1106	C-C motif chemokine 15	Q16663	CCL15
1107	C-C motif chemokine 15	Q16663	CCL15
1108	C-C motif chemokine 15	Q16663	CCL15
1109	C-C motif chemokine 16	O15467	CCL16
1110	C-C motif chemokine 17	Q92583	CCL17
1111	C-C motif chemokine 18	P55774	CCL18
1112	C-C motif chemokine 19	Q99731	CCL19
1113	C-C motif chemokine 2	P13500	CCL2

#	Human Target or Analyte	UniProt ID	GeneID
1114	C-C motif chemokine 20	P78556	CCL20
1115	C-C motif chemokine 21	O00585	CCL21
1116	C-C motif chemokine 22	O00626	CCL22
1117	C-C motif chemokine 22	O00626	CCL22
1118	C-C motif chemokine 23	P55773	CCL23
1119	C-C motif chemokine 24	O00175	CCL24
1120	C-C motif chemokine 25	O15444	CCL25
1121	C-C motif chemokine 25	O15444	CCL25
1122	C-C motif chemokine 26	Q9Y258	CCL26
1123	C-C motif chemokine 27	Q9Y4X3	CCL27
1124	C-C motif chemokine 28	Q9NRJ3	CCL28
1125	C-C motif chemokine 3	P10147	CCL3
1126	C-C motif chemokine 3-like 1	P16619	CCL3L1
1127	C-C motif chemokine 4-like	Q8NHW4	CCL4L1
1128	C-C motif chemokine 5	P13501	CCL5
1129	C-C motif chemokine 5	P13501	CCL5
1130	C-C motif chemokine 7	P80098	CCL7
1131	C-C motif chemokine 7	P80098	CCL7
1132	C-C motif chemokine 8	P80075	CCL8
1133	C-C motif chemokine 8	P80075	CCL8
1134	CCAAT/enhancer-binding protein alpha	P49715	CEBPA
1135	CCAAT/enhancer-binding protein beta	P17676	CEBPB
1136	CCAAT/enhancer-binding protein beta	P17676	CEPB
1137	CCAAT/enhancer-binding protein epsilon	Q15744	CEBPE
1138	CCAAT/enhancer-binding protein gamma	P53567	CEBPG
1139	CCR4-NOT transcription complex subunit 1	A5YKK6	CNOT1
1140	CD109 antigen	Q6YHK3	CD109
1141	CD133 antigen	O43490	PROM1
1142	CD160 antigen	O95971	CD160
1143	CD164 sialomucin-like 2 protein	Q6UWJ8	CD164L2
1144	CD166 antigen	Q13740	ALCAM
1145	CD177 antigen	Q8N6Q3	CD177

#	Human Target or Analyte	UniProt ID	GeneID
1146	CD209 antigen	Q9NNX6	CD209
1147	CD209 antigen	Q9NNX6	CD209
1148	CD209 antigen	Q9NNX6	CD209
1149	CD226 antigen	Q15762	CD226
1150	CD226 antigen	Q15762	CD226
1151	CD27 antigen	P26842	CD27
1152	CD28	P10747	CD28
1153	CD29	P05556	ITGB1
1154	CD2-associated protein	Q9Y5K6	CD2AP
1155	CD320 antigen	Q9NPF0	CD320
1156	CD40 ligand	P29965	CD40LG
1157	CD44 antigen	P16070	CD44
1158	CD48 antigen	P09326	CD48
1159	CD5 antigen-like	O43866	CD5L
1160	CD59 glycoprotein	P13987	CD59
1161	CD59 glycoprotein	P13987	CD59
1162	CD6	P30203	CD6
1163	CD63 antigen	P08962	CD63
1164	CD70 antigen	P32970	CD70
1165	CD70 antigen	P32970	CD70
1166	CD81 antigen	P60033	CD81
1167	CD81 antigen	P60033	CD81
1168	CD82 antigen	P27701	CD82
1169	CD83 antigen	Q01151	CD83
1170	CD8A/CD8B Complex	P01732 P10966	CD8A CD8B
1171	CD9 antigen	P21926	CD9
1172	CD97 antigen	P48960	ADGRE5
1173	CD97 antigen	P48960	ADGRE5
1174	CD99 antigen-like protein 2	Q8TCZ2	CD99L2
1175	Cdc42 effector protein 4	Q9H3Q1	CDC42EP4
1176	Cdc42-interacting protein 4	Q15642	TRIP10
1177	CDGSH iron-sulfur domain-containing protein 1	Q9NZ45	CISD1

#	Human Target or Analyte	UniProt ID	GeneID
1178	CDGSH iron-sulfur domain-containing protein 2	Q8N5K1	CISD2
1179	CDK2	P24941	CDK2
1180	CDK5 and ABL1 enzyme substrate 2	Q9BTV7	CABLES2
1181	CDK5 regulatory subunit-associated protein 3	Q96JB5	CDK5RAP3
1182	CDK-activating kinase assembly factor MAT1	P51948	MNAT1
1183	Cell adhesion molecule 1	Q9BY67	CADM1
1184	Cell adhesion molecule 2	Q8N3J6	CADM2
1185	Cell adhesion molecule 3	Q8N126	CADM3
1186	Cell adhesion molecule-related/down-regulated by oncogenes	Q4KMG0	CDON
1187	Cell cycle checkpoint protein RAD1	O60671	RAD1
1188	Cell cycle progression protein 1	Q9ULG6	CCPG1
1189	Cell death regulator Aven	Q9NQS1	AVEN
1190	Cell differentiation protein RCD1 homolog	Q92600	CNOT9
1191	Cell division control protein 42 homolog	P60953	CDC42
1192	Cell growth regulator with EF hand domain protein 1	Q99674	CGREF1
1193	Cell surface glycoprotein CD200 receptor 1:Isoform 4, Cytoplasmic Domain	Q8TD46	CD200R1
1194	Cell surface glycoprotein CD200 receptor 1:Isoform 4, Extracellular Domain	Q8TD46	CD200R1
1195	Cell surface glycoprotein CD200 receptor 2	Q6Q8B3	CD200R1L
1196	Cellular retinoic acid-binding protein 1	P29762	CRABP1
1197	Cellular retinoic acid-binding protein 2	P29373	CRABP2
1198	Cellular tumor antigen p53	P04637	TP53
1199	Cellular tumor antigen p53 R175H mutant	P04637	TP53
1200	Centrin-1	Q12798	CETN1
1201	Centrin-2	P41208	CETN2
1202	Centrin-3	O15182	CETN3
1203	Centromere protein V	Q7Z7K6	CENPV
1204	Centromere protein W	Q5EE01	CENPW
1205	Centromere/kinetochore protein zw10 homolog	O43264	ZW10
1206	Centrosomal protein of 112 kDa	Q8N8E3	CEP112
1207	Centrosomal protein of 41 kDa	Q9BYV8	CEP41
1208	Centrosomal protein of 76 kDa	Q8TAP6	CEP76
1209	Ceramide synthase 5	Q8N5B7	CERS5



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SomaScan v4.1 Protein List

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#	Human Target or Analyte	UniProt ID	GeneID
1210	Ceramide-1-phosphate transfer protein	Q5TA50	CPTP
1211	Ceramide-1-phosphate transfer protein	Q5TA50	CPTP
1212	Cerberus	O95813	CER1
1213	Cerebellin-1	P23435	CBLN1
1214	Cerebellin-2	Q8IUK8	CBLN2
1215	Cerebellin-4	Q9NTU7	CBLN4
1216	Cerebral cavernous malformations 2 protein	Q9BSQ5	CCM2
1217	Cerebral dopamine neurotrophic factor	Q49AH0	CDNF
1218	Cerebral dopamine neurotrophic factor	Q49AH0	CDNF
1219	Ceroid-lipofuscinosi ⁿ neuronal protein 5:Cytoplasmic domain	O75503	CLN5
1220	Ceroid-lipofuscinosi ⁿ neuronal protein 5:Luminal domain	O75503	CLN5
1221	Ceruloplasmin	P00450	CP
1222	CGG triplet repeat-binding protein 1	Q9UFW8	CGGBP1
1223	cGMP-dependent 3',5'-cyclic phosphodiesterase	O00408	PDE2A
1224	cGMP-dependent protein kinase 1, beta isozyme	Q13976	PRKG1
1225	cGMP-inhibited 3',5'-cyclic phosphodiesterase A	Q14432	PDE3A
1226	cGMP-specific 3',5'-cyclic phosphodiesterase	O76074	PDE5A
1227	cGMP-specific 3',5'-cyclic phosphodiesterase	O76074	PDE5A
1228	Charged multivesicular body protein 1a	Q9HD42	CHMP1A
1229	Charged multivesicular body protein 1b	Q7LBR1	CHMP1B
1230	Charged multivesicular body protein 2a	O43633	CHMP2A
1231	Charged multivesicular body protein 2b	Q9UQN3	CHMP2B
1232	Charged multivesicular body protein 3	Q9Y3E7	CHMP3
1233	Charged multivesicular body protein 4a	Q9BY43	CHMP4A
1234	Charged multivesicular body protein 6	Q96FZ7	CHMP6
1235	Checkpoint protein HUS1	O60921	HUS1
1236	Chitinase domain-containing protein 1	Q9BWS9	CHID1
1237	Chitinase-3-like protein 1	P36222	CHI3L1
1238	Chitinase-3-like protein 2	Q15782	CHI3L2
1239	Chitotriosidase-1	Q13231	CHIT1
1240	Chitotriosidase-1	Q13231	CHIT1
1241	Chloride channel protein CIC-Kb	P51801	CLCNKB



#	Human Target or Analyte	UniProt ID	GeneID
1242	Chloride intracellular channel protein 1	O00299	CLIC1
1243	Chloride intracellular channel protein 2	O15247	CLIC2
1244	Chloride intracellular channel protein 2	O15247	CLIC2
1245	Chloride intracellular channel protein 3	O95833	CLIC3
1246	Chloride intracellular channel protein 4	Q9Y696	CLIC4
1247	Chloride intracellular channel protein 4	Q9Y696	CLIC4
1248	Chloride intracellular channel protein 5	Q9NZA1	CLIC5
1249	Cholecystokinin	P06307	CCK
1250	Cholesteryl ester transfer protein	P11597	CETP
1251	Choline/ethanolamine kinase	Q9Y259	CHKB
1252	Choline/ethanolamine kinase	Q9Y259	CHKB
1253	Choline-phosphate cytidylyltransferase A	P49585	PCYT1A
1254	Cholinesterase	P06276	BCHE
1255	Cholinesterase	P06276	BCHE
1256	Chondroadherin	O15335	CHAD
1257	Chondrocalcin	P02458	COL2A1
1258	Chondroitin sulfate N-acetylgalactosaminyltransferase 2	Q8N6G5	CSGALNACT2
1259	Chondroitin sulfate proteoglycan 4	Q6UVK1	CSPG4
1260	Chondrosarcoma-associated gene 2/3 protein	Q9Y5P2	CSAG2
1261	Chordin	Q9H2X0	CHRD
1262	Chordin-like protein 1	Q9BU40	CHRDL1
1263	Chordin-like protein 2	Q6WN34	CHRDL2
1264	Choriogonadotropin subunit beta 3	P0DN86	CGB3
1265	Choriogonadotropin subunit beta variant 2	Q6NT52	CGB2
1266	Chorionic somatomammotropin hormone	P0DML2 P0DML3	CSH1 CSH2
1267	Chorionic somatomammotropin hormone	P0DML2 P0DML3	CSH1 CSH2
1268	Chromatin complexes subunit BAP18	Q8IXM2	BAP18
1269	Chromobox protein homolog 1	P83916	CBX1
1270	Chromobox protein homolog 2	Q14781	CBX2
1271	Chromobox protein homolog 3	Q13185	CBX3
1272	Chromobox protein homolog 5	P45973	CBX5
1273	Chromobox protein homolog 7	O95931	CBX7

#	Human Target or Analyte	UniProt ID	GeneID
1274	Chromodomain Y-like protein 2	Q8N8U2	CDYL2
1275	Chromodomain-helicase-DNA-binding protein 1-like	Q86WJ1	CHD1L
1276	Chromodomain-helicase-DNA-binding protein 7	Q9P2D1	CHD7
1277	Chromogranin-A	P10645	CHGA
1278	Chromogranin-A	P10645	CHGA
1279	Chromosome transmission fidelity protein 8 homolog	P0CG13	CHTF8
1280	Chymase	P23946	CMA1
1281	Chymotrypsin-C	Q99895	CTRC
1282	Chymotrypsin-like elastase family member 1	Q9UNI1	CELA1
1283	Chymotrypsin-like elastase family member 2A	P08217	CELA2A
1284	Chymotrypsin-like elastase family member 3B	P08861	CELA3B
1285	Chymotrypsin-like protease CTRL-1	P40313	CTRL
1286	Chymotrypsinogen B	P17538	CTRB1
1287	Chymotrypsinogen B2	Q6GPI1	CTRB2
1288	Cilia- and flagella-associated protein 36	Q96G28	CFAP36
1289	Cilia- and flagella-associated protein 45	Q9UL16	CFAP45
1290	Ciliary neurotrophic factor	P26441	CNTF
1291	Ciliary neurotrophic factor receptor subunit alpha	P26992	CNTFR
1292	Ciliary neurotrophic factor receptor subunit alpha	P26992	CNTFR
1293	Ciliogenesis-associated TTC17-interacting protein	Q7Z7H3	CATIP
1294	Citrate lyase subunit beta-like protein, mitochondrial	Q8N0X4	CLYBL
1295	Citrate synthase, mitochondrial	O75390	CS
1296	Ck-beta-8-1	P55773	CCL23
1297	CKLF-like MARVEL transmembrane domain-containing protein 4	Q8IZR5	CMTM4
1298	Clathrin heavy chain 1	Q00610	CLTC
1299	Clathrin interactor 1	Q14677	CLINT1
1300	Clathrin light chain A	P09496	CLTA
1301	Claudin-1	O95832	CLDN1
1302	Cleavage and polyadenylation specificity factor subunit 5	O43809	NUDT21
1303	Cleavage stimulation factor 50 kDa subunit	Q05048	CSTF1
1304	CLEC-1	Q8NC01	CLEC1A
1305	Clustered mitochondria protein homolog	O75153	CLUH

#	Human Target or Analyte	UniProt ID	GeneID
1306	Clusterin	P10909	CLU
1307	Clusterin-associated protein 1	Q96AJ1	CLUAP1
1308	Clusterin-like protein 1	Q15846	CLUL1
1309	C-Maf-inducing protein	Q8IY22	CMIP
1310	CMP-N-acetylneuraminic-beta-galactosamide-alpha-2,3-sialyltransferase 1	Q11201	ST3GAL1
1311	CMP-N-acetylneuraminic-beta-galactosamide-alpha-2,3-sialyltransferase 2	Q16842	ST3GAL2
1312	CMP-N-acetylneuraminic-poly-alpha-2,8-sialyltransferase	Q92187	ST8SIA4
1313	CMRF35-like molecule 1	Q8TDQ1	CD300LF
1314	CMRF35-like molecule 2	Q496F6	CD300E
1315	CMRF35-like molecule 2	Q496F6	CD300E
1316	CMRF35-like molecule 6	Q08708	CD300C
1317	CMRF35-like molecule 6	Q08708	CD300C
1318	CMRF35-like molecule 7	A8K4G0	CD300LB
1319	CMRF35-like molecule 8	Q9UGN4	CD300A
1320	CMRF35-like molecule 9	Q6UXG3	CD300LG
1321	CMRF35-like molecule 9	Q6UXG3	CD300LG
1322	C-Myc-binding protein	Q99417	MYCBP
1323	Coactosin-like protein	Q14019	COTL1
1324	Coagulation factor IX	P00740	F9
1325	Coagulation factor IXab	P00740	F9
1326	Coagulation Factor V	P12259	F5
1327	Coagulation factor VII	P08709	F7
1328	Coagulation Factor VIII	P00451	F8
1329	Coagulation Factor X	P00742	F10
1330	Coagulation factor Xa	P00742	F10
1331	Coagulation Factor XI	P03951	F11
1332	Coagulation factor XIII	P00488 P05160	F13A1 F13B
1333	Coagulation factor XIII B chain	P05160	F13B
1334	Coatomer subunit beta'	P35606	COPB2
1335	Coatomer subunit epsilon	O14579	COPE
1336	Cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial	Q96EY8	MMAB
1337	Cocaine- and amphetamine-regulated transcript protein	Q16568	CARTPT



#	Human Target or Analyte	UniProt ID	GeneID
1338	Cochlin	O43405	COCH
1339	Coenzyme Q-binding protein COQ10 homolog A, mitochondrial	Q96MF6	COQ10A
1340	Cofilin-1	P23528	CFL1
1341	Cofilin-2	Q9Y281	CFL2
1342	Coiled-coil domain-containing protein 103	Q8IW40	CCDC103
1343	Coiled-coil domain-containing protein 107	Q8WV48	CCDC107
1344	Coiled-coil domain-containing protein 115	Q96NT0	CCDC115
1345	Coiled-coil domain-containing protein 126	Q96EE4	CCDC126
1346	Coiled-coil domain-containing protein 134	Q9H6E4	CCDC134
1347	Coiled-coil domain-containing protein 134	Q9H6E4	CCDC134
1348	Coiled-coil domain-containing protein 140	Q96MF4	CCDC140
1349	Coiled-coil domain-containing protein 149	Q6ZUS6	CCDC149
1350	Coiled-coil domain-containing protein 167	Q9P0B6	CCDC167
1351	Coiled-coil domain-containing protein 24	Q8N4L8	CCDC24
1352	Coiled-coil domain-containing protein 25	Q86WR0	CCDC25
1353	Coiled-coil domain-containing protein 43	Q96MW1	CCDC43
1354	Coiled-coil domain-containing protein 50	Q8IVM0	CCDC50
1355	Coiled-coil domain-containing protein 51	Q96ER9	CCDC51
1356	Coiled-coil domain-containing protein 69	A6NI79	CCDC69
1357	Coiled-coil domain-containing protein 80	Q76M96	CCDC80
1358	Coiled-coil domain-containing protein 89	Q8N998	CCDC89
1359	Coiled-coil domain-containing protein 9	Q9Y3X0	CCDC9
1360	Coiled-coil domain-containing protein 90B, mitochondrial	Q9GZT6	CCDC90B
1361	Coiled-coil domain-containing protein 92	Q53HC0	CCDC92
1362	Coiled-coil domain-containing protein 94	Q9BW85	YJU2
1363	Coiled-coil domain-containing protein 95	Q8NBZ0	INO80E
1364	Coiled-coil domain-containing protein 97	Q96F63	CCDC97
1365	Coiled-coil domain-containing transmembrane protein C7orf53	Q8N8F7	LSMEM1
1366	Coiled-coil-helix-coiled-coil-helix domain-containing protein 10, mitochondrial	Q8WYQ3	CHCHD10
1367	Coiled-coil-helix-coiled-coil-helix domain-containing protein 7	Q9BUK0	CHCHD7
1368	Cold shock domain-containing protein C2	Q9Y534	CSDC2
1369	Cold shock domain-containing protein E1	O75534	CSDE1

#	Human Target or Analyte	UniProt ID	GeneID
1370	Cold-inducible RNA-binding protein	Q14011	CIRBP
1371	Colipase	P04118	CLPS
1372	Colipase-like protein 1	A2RUU4	CLPSL1
1373	Colipase-like protein 2	Q6UWE3	CLPSL2
1374	Collagen alpha-1(I) chain:C-term propeptide	P02452	COL1A1
1375	Collagen alpha-1(I) chain:N-term propeptide	P02452	COL1A1
1376	Collagen alpha-1(IX) chain	P20849	COL9A1
1377	Collagen alpha-1(IX) chain	P20849	COL9A1
1378	Collagen alpha-1(V) chain	P20908	COL5A1
1379	Collagen alpha-1(VI) chain	P12109	COL6A1
1380	Collagen alpha-1(VI) chain	P12109	COL6A1
1381	Collagen alpha-1(VIII) chain	P27658	COL8A1
1382	Collagen alpha-1(X) chain	Q03692	COL10A1
1383	Collagen alpha-1(XIII) chain	Q5TAT6	COL13A1
1384	Collagen alpha-1(XV) chain	P39059	COL15A1
1385	Collagen alpha-1(XX) chain	Q9P218	COL20A1
1386	Collagen alpha-1(XXII) chain	Q86Y22	COL23A1
1387	Collagen alpha-1(XXV) chain	Q9BXS0	COL25A1
1388	Collagen alpha-1(XXVII) chain	Q2UY09	COL28A1
1389	Collagen alpha-2(VI) chain	P12110	COL6A2
1390	Collagen alpha-2(XI) chain	P13942	COL11A2
1391	Collagen alpha-3(IX) chain	Q14050	COL9A3
1392	Collagen alpha-3(VI) chain:Bovine pancreatic trypsin inhibitor/Kunitz inhibitor domain, isoform 1	P12111	COL6A3
1393	Collagen alpha-3(VI) chain:isoform 3	P12111	COL6A3
1394	Collagen alpha-5(VI) chain	A8TX70	COL6A5
1395	Collagen triple helix repeat-containing protein 1	Q96CG8	CTHRC1
1396	Collagen triple helix repeat-containing protein 1	Q96CG8	CTHRC1
1397	Collagen Type II	P02458	COL2A1
1398	Collagen Type III	P02461	COL3A1
1399	Collagen type IV alpha-3-binding protein:PH domain	Q9Y5P4	CERT1
1400	Collagen type IV alpha-3-binding protein:StAR-related lipid-transfer domain, isoform 2	Q9Y5P4	CERT1

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1401	Collagenase 3	P45452	MMP13
1402	Collectin-10	Q9Y6Z7	COLEC10
1403	Collectin-11	Q9BWP8	COLEC11
1404	Collectin-12	Q5KU26	COLEC12
1405	Collectin-12	Q5KU26	COLEC12
1406	COMM domain-containing protein 1	Q8N668	COMMD1
1407	COMM domain-containing protein 10	Q9Y6G5	COMMD10
1408	COMM domain-containing protein 5	Q9GZQ3	COMMD5
1409	COMM domain-containing protein 6	Q7Z4G1	COMMD6
1410	COMM domain-containing protein 7	Q86VX2	COMMD7
1411	COMM domain-containing protein 8	Q9NX08	COMMD8
1412	COMM domain-containing protein 9	Q9P000	COMMD9
1413	Complement C1q and tumor necrosis factor-related protein 9A	P0C862	C1QTNF9
1414	Complement C1q and tumor necrosis factor-related protein 9A	P0C862	C1QTNF9
1415	Complement C1q subcomponent	P02745 P02746 P02747	C1QA C1QB C1QC
1416	Complement C1q subcomponent subunit C	P02747	C1QC
1417	Complement C1q tumor necrosis factor-related protein 1	Q9BXJ1	C1QTNF1
1418	Complement C1q tumor necrosis factor-related protein 3	Q9BXJ4	C1QTNF3
1419	Complement C1q tumor necrosis factor-related protein 4	Q9BXJ3	C1QTNF4
1420	Complement C1q tumor necrosis factor-related protein 4	Q9BXJ3	C1QTNF4
1421	Complement C1q tumor necrosis factor-related protein 4	Q9BXJ3	C1QTNF4
1422	Complement C1q tumor necrosis factor-related protein 5	Q9BXJ0	C1QTNF5
1423	Complement C1q-like protein 2	Q7Z5L3	C1QL2
1424	Complement C1q-like protein 2	Q7Z5L3	C1QL2
1425	Complement C1q-like protein 3	Q5VWW1	C1QL3
1426	Complement C1q-like protein 4	Q86Z23	C1QL4
1427	Complement C1r subcomponent	P00736	C1R
1428	Complement C1r subcomponent-like protein	Q9NZP8	C1RL
1429	Complement C1s subcomponent	P09871	C1S
1430	Complement C1s subcomponent	P09871	C1S
1431	Complement C2	P06681	C2
1432	Complement C3	P01024	C3

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1433	Complement C3b	P01024	C3
1434	Complement C3b, inactivated	P01024	C3
1435	Complement C3d fragment	P01024	C3
1436	Complement C4	P0C0L4 P0C0L5	C4A C4B
1437	Complement C4b	P0C0L4 P0C0L5	C4A C4B
1438	Complement C5	P01031	C5
1439	Complement C5b-C6 complex	P01031 P13671	C5 C6
1440	Complement component 1Q subcomponent-binding protein, mitochondrial	Q07021	C1QBP
1441	Complement component C1q receptor	Q9NPY3	CD93
1442	Complement component C1q receptor	Q9NPY3	CD93
1443	Complement component C6	P13671	C6
1444	Complement component C7	P10643	C7
1445	Complement component C7	P10643	C7
1446	Complement component C8	P07357 P07358 P07360	C8A C8B C8G
1447	Complement component C8 gamma chain	P07360	C8G
1448	Complement component C9	P02748	C9
1449	Complement component C9	P02748	C9
1450	Complement decay-accelerating factor	P08174	CD55
1451	Complement factor B	P00751	CFB
1452	Complement factor D	P00746	CFD
1453	Complement factor D	P00746	CFD
1454	Complement factor H	P08603	CFH
1455	Complement factor H-related protein 1	Q03591	CFHR1
1456	Complement factor H-related protein 1	Q03591	CFHR1
1457	Complement factor H-related protein 2	P36980	CFHR2
1458	Complement factor H-related protein 3	Q02985	CFHR3
1459	Complement factor H-related protein 4	Q92496	CFHR4
1460	Complement factor H-related protein 5	Q9BXR6	CFHR5
1461	Complement factor H-related protein 5	Q9BXR6	CFHR5
1462	Complement factor H-related protein 5	Q9BXR6	CFHR5
1463	Complement factor I	P05156	CFI
1464	Complement receptor type 1	P17927	CR1

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1465	Complement receptor type 2	P20023	CR2
1466	Complex I intermediate-associated protein 30, mitochondrial	Q9Y375	NDUFAF1
1467	Complexin-1	O14810	CPLX1
1468	Complexin-2	Q6PUV4	CPLX2
1469	Complexin-3	Q8WVH0	CPLX3
1470	Connective tissue growth factor	P29279	CCN2
1471	Connective tissue-activating peptide III	P02775	PPBP
1472	Conserved oligomeric Golgi complex subunit 8	Q96MW5	COG8
1473	Contactin-1	Q12860	CNTN1
1474	Contactin-2	Q02246	CNTN2
1475	Contactin-3	Q9P232	CNTN3
1476	Contactin-4	Q8IWV2	CNTN4
1477	Contactin-5	O94779	CNTN5
1478	Contactin-6	Q9UQ52	CNTN6
1479	Contactin-associated protein-like 2	Q9UHC6	CNTNAP2
1480	Contactin-associated protein-like 5	Q8WYK1	CNTNAP5
1481	COP9 signalosome complex subunit 2	P61201	COPS2
1482	COP9 signalosome complex subunit 5	Q92905	COPS5
1483	COP9 signalosome complex subunit 7b	Q9H9Q2	COPS7B
1484	COP9 signalosome complex subunit 8	Q99627	COPS8
1485	Copine-1:Ca2+-dependent membrane-targeting module domains 1 and 2	Q99829	CPNE1
1486	Copine-1:Von Willebrand factor type A domain	Q99829	CPNE1
1487	Copine-6	O95741	CPNE6
1488	Copine-7	Q9UBL6	CPNE7
1489	Copper chaperone for superoxide dismutase	O14618	CCS
1490	Copper homeostasis protein cutC homolog	Q9NTM9	CUTC
1491	Copper transport protein ATOX1	O00244	ATOX1
1492	Core histone macro-H2A.1	O75367	MACROH2A1
1493	Core-binding factor subunit beta	Q13951	CBFB
1494	Corneodesmosin	Q15517	CDSN
1495	Cornulin	Q9UBG3	CRNN
1496	Corticoliberin	P06850	CRH



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1497	Corticoliberin	P06850	CRH
1498	Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1
1499	Corticosteroid-binding globulin	P08185	SERPINA6
1500	Corticotropin	P01189	POMC
1501	Corticotropin-releasing factor-binding protein	P24387	CRHBP
1502	Coxsackievirus and adenovirus receptor	P78310	CXADR
1503	Craniofacial development protein 1	Q9UEE9	CFDP1
1504	C-reactive protein	P02741	CRP
1505	Creatine kinase B-type	P12277	CKB
1506	Creatine kinase M-type	P06732	CKM
1507	Creatine kinase M-type:Creatine kinase B-type heterodimer	P12277 P06732	CKB CKM
1508	Creatine kinase S-type, mitochondrial	P17540	CKMT2
1509	Creatine kinase U-type, mitochondrial	P12532	CKMT1A
1510	CREB/ATF bZIP transcription factor	Q9NS37	CREBZF
1511	CREB-binding protein	Q92793	CREBBP
1512	CREB-regulated transcription coactivator 3	Q6UVV7	CRTC3
1513	Crk-like protein	P46109	CRKL
1514	Cryptic protein	P0CG37	CFC1
1515	CST complex subunit TEN1	Q86WV5	TEN1
1516	CTD small phosphatase-like protein	O15194	CTDSPL
1517	C-terminal-binding protein 1	Q13363	CTBP1
1518	CTP synthase 1	P17812	CTPS1
1519	C-type lectin domain family 1 member B	Q9P126	CLEC1B
1520	C-type lectin domain family 10 member A	Q8IUN9	CLEC10A
1521	C-type lectin domain family 12 member A	Q5QGZ9	CLEC12A
1522	C-type lectin domain family 2 member A	Q6UVW9	CLEC2A
1523	C-type lectin domain family 2 member B	Q92478	CLEC2B
1524	C-type lectin domain family 2 member D	Q9UHP7	CLEC2D
1525	C-type lectin domain family 2 member L	P0C7M8	CLEC2L
1526	C-type lectin domain family 4 member A	Q9UMR7	CLEC4A
1527	C-type lectin domain family 4 member C	Q8WTT0	CLEC4C
1528	C-type lectin domain family 4 member D	Q8WXI8	CLEC4D

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1529	C-type lectin domain family 4 member G	Q6UXB4	CLEC4G
1530	C-type lectin domain family 4 member G	Q6UXB4	CLEC4G
1531	C-type lectin domain family 4 member K	Q9UJ71	CD207
1532	C-type lectin domain family 4 member M	Q9H2X3	CLEC4M
1533	C-type lectin domain family 6 member A	Q6EIG7	CLEC6A
1534	C-type lectin domain family 7 member A	Q9BXN2	CLEC7A
1535	C-type lectin domain family 9 member A	Q6UXN8	CLEC9A
1536	C-type mannose receptor 2	Q9UBG0	MRC2
1537	C-type natriuretic peptide	P23582	NPPC
1538	CUB and sushi domain-containing protein 1	Q96PZ7	CSMD1
1539	CUB and sushi domain-containing protein 2	Q7Z408	CSMD2
1540	CUB and zona pellucida-like domain-containing protein 1	Q86UP6	CUZD1
1541	CUB domain-containing protein 1	Q9H5V8	CDCP1
1542	CUB domain-containing protein 1	Q9H5V8	CDCP1
1543	CUB domain-containing protein 1	Q9H5V8	CDCP1
1544	cubilin	O60494	CUBN
1545	CUE domain-containing protein 1	Q9NWM3	CUEDC1
1546	CUGBP Elav-like family member 2	O95319	CELF2
1547	Cullin-1	Q13616	CUL1
1548	Cullin-3	Q13618	CUL3
1549	Cullin-4B	Q13620	CUL4B
1550	Cullin-9	Q8IWT3	CUL9
1551	Cullin-associated NEDD8-dissociated protein 1	Q86VP6	CAND1
1552	CWF19-like protein 1	Q69YN2	CWF19L1
1553	Cx9C motif-containing protein 4	P56277	CMC4
1554	CXADR-like membrane protein:Cytoplasmic domain	Q9H6B4	CLMP
1555	CXADR-like membrane protein:Extracellular domain	Q9H6B4	CLMP
1556	C-X-C motif chemokine 10	P02778	CXCL10
1557	C-X-C motif chemokine 11	O14625	CXCL11
1558	C-X-C motif chemokine 11	O14625	CXCL11
1559	C-X-C motif chemokine 13	O43927	CXCL13
1560	C-X-C motif chemokine 13	O43927	CXCL13

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1561	C-X-C motif chemokine 14	O95715	CXCL14
1562	C-X-C motif chemokine 16	Q9H2A7	CXCL16
1563	C-X-C motif chemokine 17	Q6UXB2	CXCL17
1564	C-X-C motif chemokine 5	P42830	CXCL5
1565	C-X-C motif chemokine 6	P80162	CXCL6
1566	C-X-C motif chemokine 9	Q07325	CXCL9
1567	C-X-C motif chemokine 9	Q07325	CXCL9
1568	Cyclic AMP-dependent transcription factor ATF-1	P18846	ATF1
1569	Cyclic AMP-dependent transcription factor ATF-3	P18847	ATF3
1570	Cyclic AMP-dependent transcription factor ATF-5	Q9Y2D1	ATF5
1571	Cyclic AMP-dependent transcription factor ATF-5	Q9Y2D1	ATF5
1572	Cyclic AMP-dependent transcription factor ATF-6 alpha	P18850	ATF6
1573	Cyclic AMP-dependent transcription factor ATF-6 beta	Q99941	ATF6B
1574	Cyclic AMP-responsive element-binding protein 3-like protein 1	Q96BA8	CREB3L1
1575	Cyclic AMP-responsive element-binding protein 3-like protein 2	Q70SY1	CREB3L2
1576	Cyclic AMP-responsive element-binding protein 3-like protein 4	Q8TEY5	CREB3L4
1577	Cyclic nucleotide-gated cation channel beta-1	Q14028	CNGB1
1578	Cyclic nucleotide-gated olfactory channel	Q16280	CNGA2
1579	Cyclin-A1	P78396	CCNA1
1580	Cyclin-A2	P20248	CCNA2
1581	Cyclin-dependent kinase 1:G2/mitotic-specific cyclin-B1 complex	P06493 P14635	CDK1 CCNB1
1582	Cyclin-dependent kinase 15; EC=2.7.11.22	Q96Q40	CDK15
1583	Cyclin-dependent kinase 16	Q00536	CDK16
1584	Cyclin-dependent kinase 2:Cyclin-A2 complex	P24941 P20248	CDK2 CCNA2
1585	Cyclin-dependent kinase 20	Q8IZL9	CDK20
1586	Cyclin-dependent kinase 2-associated protein 1	O14519	CDK2AP1
1587	Cyclin-dependent kinase 2-associated protein 2	O75956	CDK2AP2
1588	Cyclin-dependent kinase 2-associated protein 2	O75956	CDK2AP2
1589	Cyclin-dependent kinase 2-interacting protein	Q9BW66	CINP
1590	Cyclin-dependent kinase 4 inhibitor B	P42772	CDKN2B
1591	Cyclin-dependent kinase 4 inhibitor C	P42773	CDKN2C
1592	Cyclin-dependent kinase 4 inhibitor D	P55273	CDKN2D

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1593	Cyclin-dependent kinase 5:Cyclin-dependent kinase 5 activator 1 complex	Q00535 Q15078	CDK5 CDK5R1
1594	Cyclin-dependent kinase 8:Cyclin-C complex	P49336 P24863	CDK8 CCNC
1595	Cyclin-dependent kinase inhibitor 1	P38936	CDKN1A
1596	Cyclin-dependent kinase inhibitor 1B	P46527	CDKN1B
1597	Cyclin-dependent kinase inhibitor 3	Q16667	CDKN3
1598	Cyclin-dependent kinase-like 2	Q92772	CDKL2
1599	Cyclin-dependent kinases regulatory subunit 1	P61024	CKS1B
1600	Cyclin-H	P51946	CCNH
1601	Cyclin-H	P51946	CCNH
1602	Cyclin-Y-like protein 1	Q8N7R7	CCNYL1
1603	Cystathionine beta-synthase	P35520	CBS
1604	Cystathionine gamma-lyase	P32929	CTH
1605	Cystatin B	P04080	CSTB
1606	Cystatin-8	O60676	CST8
1607	Cystatin-C	P01034	CST3
1608	Cystatin-D	P28325	CST5
1609	Cystatin-D	P28325	CST5
1610	Cystatin-F	O76096	CST7
1611	Cystatin-F	O76096	CST7
1612	Cystatin-like 1	Q9H114	CSTL1
1613	Cystatin-M	Q15828	CST6
1614	Cystatin-M	Q15828	CST6
1615	Cystatin-S	P01036	CST4
1616	Cystatin-SA	P09228	CST2
1617	Cystatin-SN	P01037	CST1
1618	Cysteine and glycine-rich protein 1	P21291	CSRP1
1619	Cysteine and glycine-rich protein 2	Q16527	CSRP2
1620	Cysteine and glycine-rich protein 3	P50461	CSRP3
1621	Cysteine protease ATG4A	Q8WYN0	ATG4A
1622	Cysteine protease ATG4B	Q9Y4P1	ATG4B
1623	Cysteine protease ATG4C	Q96DT6	ATG4C
1624	Cysteine-rich motor neuron 1 protein:Cytoplasmic domain	Q9NZV1	CRIM1



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1625	Cysteine-rich motor neuron 1 protein:Extracellular domain	Q9NZV1	CRIM1
1626	Cysteine-rich motor neuron 1 protein:Extracellular domain	Q9NZV1	CRIM1
1627	Cysteine-rich PDZ-binding protein	Q9P021	CRIP1
1628	Cysteine-rich protein 1	P50238	CRIP1
1629	Cysteine-rich protein 2	P52943	CRIP2
1630	Cysteine-rich secretory protein 2	P16562	CRISP2
1631	Cysteine-rich secretory protein 3	P54108	CRISP3
1632	Cysteine-rich secretory protein LCCL domain-containing 2	Q9H0B8	CRISPLD2
1633	Cysteine-rich tail protein 1	A8MQ03	CYSRT1
1634	Cysteine-rich with EGF-like domain protein 1	Q96HD1	CRELD1
1635	Cysteine-tRNA ligase, cytoplasmic	P49589	CARS1
1636	Cystic fibrosis transmembrane conductance regulator	P13569	CFTR
1637	Cytidine deaminase	P32320	CDA
1638	Cytochrome b reductase 1	Q53TN4	CYBRD1
1639	Cytochrome b5	P00167	CYB5A
1640	Cytochrome b5 reductase 4	Q7L1T6	CYB5R4
1641	Cytochrome b561 domain-containing protein 1	Q8N8Q1	CYB561D1
1642	Cytochrome b-c1 complex subunit 7	P14927	UQCRB
1643	Cytochrome c	P99999	CYCS
1644	Cytochrome c oxidase assembly factor 3 homolog, mitochondrial	Q9Y2R0	COA3
1645	Cytochrome c oxidase assembly factor 4 homolog, mitochondrial	Q9NYJ1	COA4
1646	Cytochrome c oxidase assembly factor 7	Q96BR5	COA7
1647	Cytochrome c oxidase assembly protein COX19	Q49B96	COX19
1648	Cytochrome c oxidase subunit 4 isoform 2, mitochondrial	Q96KJ9	COX4I2
1649	Cytochrome c oxidase subunit 5A, mitochondrial	P20674	COX5A
1650	Cytochrome c oxidase subunit 5B, mitochondrial	P10606	COX5B
1651	Cytochrome c oxidase subunit 6A2, mitochondrial	Q02221	COX6A2
1652	Cytochrome c oxidase subunit 6C	P09669	COX6C
1653	Cytochrome c oxidase subunit 7A1, mitochondrial	P24310	COX7A1
1654	Cytochrome c oxidase subunit 7A-related protein, mitochondrial	O14548	COX7A2L
1655	Cytochrome c-type heme lyase	P53701	HCCS
1656	Cytochrome P450 2C19	P33261	CYP2C19

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1657	Cytochrome P450 3A4	P08684	CYP3A4
1658	Cytochrome P450 3A4	P08684	CYP3A4
1659	Cytoglobin	Q8WWM9	CYGB
1660	Cytohesin-1	Q15438	CYTH1
1661	Cytohesin-2	Q99418	CYTH2
1662	Cytohesin-3	O43739	CYTH3
1663	Cytohesin-4	Q9UIA0	CYTH4
1664	Cytohesin-interacting protein	O60759	CYTIP
1665	Cytokine receptor common subunit beta:Cytoplasmic domain	P32927	CSF2RB
1666	Cytokine receptor common subunit beta:Extracellular domain	P32927	CSF2RB
1667	Cytokine receptor common subunit gamma	P31785	IL2RG
1668	Cytokine receptor-like factor 1	O75462	CRLF1
1669	Cytokine receptor-like factor 1:Cardiotrophin-like cytokine factor 1 Complex	O75462 Q9UBD9	CRLF1 CLCF1
1670	Cytokine receptor-like factor 2	Q9HC73	CRLF2
1671	Cytokine receptor-like factor 2	Q9HC73	CRLF2
1672	Cytokine receptor-like factor 3	Q8IUI8	CRLF3
1673	Cytokine SCM-1beta	Q9UBD3	XCL2
1674	Cytokine-dependent hematopoietic cell linker	Q7Z7G1	CLNK
1675	Cytokine-like protein 1	Q9NRR1	CYTL1
1676	Cytoplasmic aconitase hydratase	P21399	ACO1
1677	Cytoplasmic dynein 1 light intermediate chain 1	Q9Y6G9	DYNC1LI1
1678	Cytoplasmic dynein 1 light intermediate chain 2	O43237	DYNC1LI2
1679	Cytoplasmic protein NCK1	P16333	NCK1
1680	Cytoplasmic protein NCK2	O43639	NCK2
1681	Cytoplasmic tyrosine-protein kinase BMX	P51813	BMX
1682	Cytoskeleton-associated protein 2	Q8WWK9	CKAP2
1683	Cytoskeleton-associated protein 4	Q07065	CKAP4
1684	Cytosol aminopeptidase	P28838	LAP3
1685	Cytosol aminopeptidase	P28838	LAP3
1686	Cytosolic 5'-nucleotidase 1A	Q9BXI3	NT5C1A
1687	Cytosolic 5'-nucleotidase 3A	Q9H0P0	NT5C3A
1688	Cytosolic arginine sensor for mTORC1 subunit 1	Q8WTX7	CASTOR1

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1689	Cytosolic beta-glucosidase	Q9H227	GBA3
1690	Cytosolic endo-beta-N-acetylglucosaminidase	Q8NFI3	ENGASE
1691	Cytosolic Fe-S cluster assembly factor NUBP2	Q9Y5Y2	NUBP2
1692	Cytosolic non-specific dipeptidase	Q96KP4	CNDP2
1693	Cytosolic phospholipase A2 alpha	P47712	PLA2G4A
1694	Cytosolic purine 5'-nucleotidase	P49902	NT5C2
1695	Cytotoxic and regulatory T-cell molecule	O95727	CRTAM
1696	Cytotoxic T-lymphocyte protein 4	P16410	CTLA4
1697	D-3-phosphoglycerate dehydrogenase	O43175	PHGDH
1698	D-3-phosphoglycerate dehydrogenase	O43175	PHGDH
1699	D-amino-acid oxidase	P14920	DAO
1700	DAXX	Q9UER7	DAXX
1701	DAZ-associated protein 1	Q96EP5	DAZAP1
1702	DCC	P43146	DCC
1703	DCC-interacting protein 13-alpha	Q9UKG1	APPL1
1704	DCN1-like protein 1	Q96GG9	DCUN1D1
1705	DCN1-like protein 2	Q6PH85	DCUN1D2
1706	DCN1-like protein 3	Q8IWE4	DCUN1D3
1707	DCN1-like protein 5	Q9BTE7	DCUN1D5
1708	dCTP pyrophosphatase 1	Q9H773	DCTPP1
1709	DDB1- and CUL4-associated factor 11	Q8TEB1	DCAF11
1710	DDB1- and CUL4-associated factor 12	Q5T6F0	DCAF12
1711	DDB1- and CUL4-associated factor 5	Q96JK2	DCAF5
1712	D-dimer	P02671 P02675 P02679	FGA FGB FGG
1713	D-dopachrome decarboxylase	P30046	DDT
1714	DDRGK domain-containing protein 1	Q96HY6	DDRGK1
1715	Death domain-containing protein CRADD	P78560	CRADD
1716	Death-associated protein 1	P51397	DAP
1717	Death-associated protein kinase 1	P53355	DAPK1
1718	Death-associated protein kinase 2	Q9UIK4	DAPK2
1719	Death-associated protein kinase 3	O43293	DAPK3
1720	Death-inducer obliterator 1	Q9BTC0	DIDO1

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1721	Decorin	P07585	DCN
1722	Dedicator of cytokinesis protein 2	Q92608	DOCK2
1723	Dedicator of cytokinesis protein 9	Q9BZ29	DOCK9
1724	Defensin-5	Q01523	DEFA5
1725	Defensin-5	Q01523	DEFA5
1726	Deformed epidermal autoregulatory factor 1 homolog	O75398	DEAF1
1727	Dehydrogenase/reductase SDR family member 11	Q6UWP2	DHRS11
1728	Dehydrogenase/reductase SDR family member 4	Q9BTZ2	DHRS4
1729	Dehydrogenase/reductase SDR family member 9	Q9BPW9	DHRS9
1730	Deleted in malignant brain tumors 1 protein	Q9UGM3	DMBT1
1731	Delta and Notch-like epidermal growth factor-related receptor:Cytoplasmic domain	Q8NFT8	DNER
1732	Delta and Notch-like epidermal growth factor-related receptor:Extracellular domain	Q8NFT8	DNER
1733	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	Q13011	ECH1
1734	Delta-aminolevulinic acid dehydratase	P13716	ALAD
1735	Delta-like protein 1	O00548	DLL1
1736	Delta-like protein 1	O00548	DLL1
1737	Delta-like protein 3	Q9NYJ7	DLL3
1738	Delta-like protein 4	Q9NR61	DLL4
1739	Dematin	Q08495	DMTN
1740	Density-regulated protein	O43583	DENR
1741	Dentin matrix protein 4	Q8IXL6	FAM20C
1742	Dentin matrix protein 4	Q8IXL6	FAM20C
1743	Deoxycytidine kinase	P27707	DCK
1744	Deoxycytidylate deaminase	P32321	DCTD
1745	Deoxyhypusine hydroxylase	Q9BU89	DOHH
1746	Deoxyhypusine synthase	P49366	DHPS
1747	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1	Q9Y3Z3	SAMHD1
1748	Deoxyribonuclease-1-like 2	Q92874	DNASE1L2
1749	Deoxyribonuclease-2-beta	Q8WZ79	DNASE2B
1750	Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial	P33316	DUT
1751	Derlin-1	Q9BUN8	DERL1
1752	Dermatopontin	Q07507	DPT

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1753	Dermokine	Q6E0U4	DMKN
1754	Dermokine	Q6E0U4	DMKN
1755	Desert hedgehog protein N-product	O43323	DHH
1756	Desmin	P17661	DES
1757	Desmocollin-1	Q08554	DSC1
1758	Desmocollin-2	Q02487	DSC2
1759	Desmocollin-3	Q14574	DSC3
1760	Desmoglein-1	Q02413	DSG1
1761	Desmoglein-2	Q14126	DSG2
1762	Desmoglein-2	Q14126	DSG2
1763	Desmoglein-3	P32926	DSG3
1764	Desmoglein-3	P32926	DSG3
1765	Desmoglein-4	Q86SJ6	DSG4
1766	Destrin	P60981	DSTN
1767	Destrin	P60981	DSTN
1768	Desumoylating isopeptidase 1	Q6ICB0	DESI1
1769	Deubiquitinating protein VCIP135	Q96JH7	VCPIP1
1770	Developmental pluripotency-associated protein 4	Q7L190	DPPA4
1771	Developmentally-regulated GTP-binding protein 1	Q9Y295	DRG1
1772	D-glucuronyl C5-epimerase	O94923	GLCE
1773	Diablo homolog, mitochondrial	Q9NR28	DIABLO
1774	Diacylglycerol kinase beta	Q9Y6T7	DGKB
1775	Diamine acetyltransferase 1	P21673	SAT1
1776	Diamine acetyltransferase 2	Q96F10	SAT2
1777	Dickkopf-like protein 1	Q9UK85	DKKL1
1778	Dickkopf-like protein 1	Q9UK85	DKKL1
1779	Dickkopf-related protein 1	O94907	DKK1
1780	Dickkopf-related protein 2	Q9UBU2	DKK2
1781	Dickkopf-related protein 2	Q9UBU2	DKK2
1782	Dickkopf-related protein 3	Q9UBP4	DKK3
1783	Dickkopf-related protein 3	Q9UBP4	DKK3
1784	Dickkopf-related protein 4	Q9UBT3	DKK4

#	Human Target or Analyte	UniProt ID	GeneID
1785	Dickkopf-related protein 4	Q9UBT3	DKK4
1786	Differentially expressed in FDCP 6 homolog	Q9H4E7	DEF6
1787	Dihydrofolate reductase	P00374	DHFR
1788	Dihydrolipoyl dehydrogenase, mitochondrial	P09622	DLD
1789	Dihydrolipoyl dehydrogenase, mitochondrial	P09622	DLD
1790	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	P10515	DLAT
1791	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	P36957	DLST
1792	Dihydroorotate dehydrogenase (quinone), mitochondrial	Q02127	DHODH
1793	Dihydropteridine reductase	P09417	QDPR
1794	Dihydropyrimidinase	Q14117	DPYS
1795	Dihydropyrimidinase-related protein 1	Q14194	CRMP1
1796	Dihydropyrimidinase-related protein 2	Q16555	DPYSL2
1797	Dihydropyrimidinase-related protein 3	Q14195	DPYSL3
1798	Dihydropyrimidinase-related protein 4	O14531	DPYSL4
1799	Dihydropyrimidinase-related protein 5	Q9BPU6	DPYSL5
1800	Dihydroxyacetone kinase	Q3LXA3	TKFC
1801	Dimethyladenosine transferase 1, mitochondrial	Q8WVM0	TFB1M
1802	Dimethyladenosine transferase 2, mitochondrial	Q9H5Q4	TFB2M
1803	Dimethylaniline monooxygenase [N-oxide-forming] 3	P31513	FMO3
1804	Dipeptidase 1	P16444	DPEP1
1805	Dipeptidase 1	P16444	DPEP1
1806	Dipeptidase 2	Q9H4A9	DPEP2
1807	Dipeptidyl aminopeptidase-like protein 6	P42658	DPP6
1808	Dipeptidyl peptidase 1	P53634	CTSC
1809	Dipeptidyl peptidase 1	P53634	CTSC
1810	Dipeptidyl peptidase 2	Q9UHL4	DPP7
1811	Dipeptidyl peptidase 4	P27487	DPP4
1812	Dipeptidyl peptidase 8	Q6V1X1	DPP8
1813	Diphosphoinositol polyphosphate phosphohydrolase 1	O95989	NUDT3
1814	Diphosphoinositol polyphosphate phosphohydrolase 3-alpha	Q8NFP7	NUDT10
1815	Diphosphoinositol polyphosphate phosphohydrolase 3-beta	Q96G61	NUDT11

#	Human Target or Analyte	UniProt ID	GeneID
1816	Diphosphomevalonate decarboxylase	P53602	MVD
1817	Diphosphomevalonate decarboxylase	P53602	MVD
1818	Diphthine methyl ester synthase	Q9H2P9	DPH5
1819	Diphthine methyltransferase	Q9BTV6	DPH7
1820	Disabled homolog 2	P98082	DAB2
1821	Discoidin domain-containing receptor 2	Q16832	DDR2
1822	Discoidin domain-containing receptor 2	Q16832	DDR2
1823	Discoidin, CUB and LCCL domain-containing protein 1	Q8N8Z6	DCBLD1
1824	Disintegrin and metalloproteinase domain-containing protein 10:Cytoplasmic domain	O14672	ADAM10
1825	Disintegrin and metalloproteinase domain-containing protein 10:Extracellular domain	O14672	ADAM10
1826	Disintegrin and metalloproteinase domain-containing protein 11	O75078	ADAM11
1827	Disintegrin and metalloproteinase domain-containing protein 12	O43184	ADAM12
1828	Disintegrin and metalloproteinase domain-containing protein 15:Cytoplasmic domain	Q13444	ADAM15
1829	Disintegrin and metalloproteinase domain-containing protein 15:Extracellular domain	Q13444	ADAM15
1830	Disintegrin and metalloproteinase domain-containing protein 17:Cytoplasmic domain	P78536	ADAM17
1831	Disintegrin and metalloproteinase domain-containing protein 17:Extracellular domain	P78536	ADAM17
1832	Disintegrin and metalloproteinase domain-containing protein 19	Q9H013	ADAM19
1833	Disintegrin and metalloproteinase domain-containing protein 22	Q9P0K1	ADAM22
1834	Disintegrin and metalloproteinase domain-containing protein 23	O75077	ADAM23
1835	Disintegrin and metalloproteinase domain-containing protein 29	Q9UKF5	ADAM29
1836	Disintegrin and metalloproteinase domain-containing protein 30	Q9UKF2	ADAM30
1837	Disintegrin and metalloproteinase domain-containing protein 32	Q8TC27	ADAM32
1838	Disintegrin and metalloproteinase domain-containing protein 7	Q9H2U9	ADAM7
1839	Disintegrin and metalloproteinase domain-containing protein 9	Q13443	ADAM9
1840	Disks large homolog 2	Q15700	DLG2
1841	Disks large homolog 3	Q92796	DLG3
1842	Disks large homolog 4	P78352	DLG4
1843	Disks large-associated protein 4	Q9Y2H0	DLGAP4
1844	Dixin	Q155Q3	DIXDC1
1845	DNA (cytosine-5)-methyltransferase 3-like	Q9UJW3	DNMT3L
1846	DNA damage-inducible transcript 3 protein	P35638	DDIT3
1847	DNA damage-inducible transcript 4 protein	Q9NX09	DDIT4



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#	Human Target or Analyte	UniProt ID	GeneID
1848	DNA dC->dU-editing enzyme APOBEC-3G	Q9HC16	APOBEC3G
1849	DNA excision repair protein ERCC-1	P07992	ERCC1
1850	DNA fragmentation factor subunit alpha	O00273	DFFA
1851	DNA mismatch repair protein Msh2	P43246	MSH2
1852	DNA oxidative demethylase ALKBH2	Q6NS38	ALKBH2
1853	DNA polymerase beta	P06746	POLB
1854	DNA polymerase delta subunit 4	Q9HCU8	POLD4
1855	DNA polymerase epsilon subunit 2	P56282	POLE2
1856	DNA polymerase epsilon subunit 3	Q9NRF9	POLE3
1857	DNA polymerase eta	Q9Y253	POLH
1858	DNA polymerase iota	Q9UNA4	POLI
1859	DNA primase small subunit	P49642	PRIM1
1860	DNA repair endonuclease XPF	Q92889	ERCC4
1861	DNA repair protein RAD51 homolog 1	Q06609	RAD51
1862	DNA repair protein RAD51 homolog 3	O43502	RAD51C
1863	DNA repair protein RAD51 homolog 4	O75771	RAD51D
1864	DNA repair protein XRCC1	P18887	XRCC1
1865	DNA repair protein XRCC4	Q13426	XRCC4
1866	DNA replication complex GINS protein PSF1	Q14691	GINS1
1867	DNA replication licensing factor MCM6	Q14566	MCM6
1868	DNA topoisomerase 1	P11387	TOP1
1869	DNA topoisomerase 2-binding protein 1	Q92547	TOPBP1
1870	DNA-(apurinic or apyrimidinic site) lyase	P27695	APEX1
1871	DNA-(apurinic or apyrimidinic site) lyase 2	Q9UBZ4	APEX2
1872	DNA/RNA-binding protein KIN17	O60870	KIN
1873	DNA-3-methyladenine glycosylase	P29372	MPG
1874	DNA-binding protein inhibitor ID-1	P41134	ID1
1875	DNA-binding protein inhibitor ID-1	P41134	ID1
1876	DNA-binding protein inhibitor ID-2	Q02363	ID2
1877	DNA-binding protein inhibitor ID-2	Q02363	ID2
1878	DNA-binding protein RFX5	P48382	RFX5
1879	DNA-binding protein SATB1	Q01826	SATB1

#	Human Target or Analyte	UniProt ID	GeneID
1880	DNA-binding protein SATB2	Q9UPW6	SATB2
1881	DNA-directed DNA/RNA polymerase mu	Q9NP87	POLM
1882	DNA-directed RNA polymerase II subunit GRNL1A	P0CAP2	POLR2M
1883	DNA-directed RNA polymerase II subunit RPB11-a	P52435	POLR2J
1884	DNA-directed RNA polymerase II subunit RPB11-b1	Q9GZM3	POLR2J2
1885	DNA-directed RNA polymerase II subunit RPB3	P19387	POLR2C
1886	DNA-directed RNA polymerase II subunit RPB9	P36954	POLR2I
1887	DNA-directed RNA polymerase III subunit RPC10	Q9Y2Y1	POLR3K
1888	DNA-directed RNA polymerase III subunit RPC6	Q9H1D9	POLR3F
1889	DNA-directed RNA polymerase III subunit RPC9	O75575	CRCP
1890	DNA-directed RNA polymerases I and III subunit RPAC1	O15160	POLR1C
1891	DNA-directed RNA polymerases I, II, and III subunit RPABC1	P19388	POLR2E
1892	DNA-directed RNA polymerases I, II, and III subunit RPABC2	P61218	POLR2F
1893	DNA-directed RNA polymerases I, II, and III subunit RPABC4	P53803	POLR2K
1894	DnaJ homolog subfamily A member 2	O60884	DNAJA2
1895	DnaJ homolog subfamily A member 4	Q8WW22	DNAJA4
1896	DnaJ homolog subfamily B member 1	P25685	DNAJB1
1897	DnaJ homolog subfamily B member 11	Q9UBS4	DNAJB11
1898	DnaJ homolog subfamily B member 12	Q9NXW2	DNAJB12
1899	DnaJ homolog subfamily B member 13	P59910	DNAJB13
1900	DnaJ homolog subfamily B member 14:Cytoplasmic domain	Q8TBM8	DNAJB14
1901	DnaJ homolog subfamily B member 14:Lumenal domain	Q8TBM8	DNAJB14
1902	DnaJ homolog subfamily B member 2	P25686	DNAJB2
1903	DnaJ homolog subfamily B member 3	Q8WWF6	DNAJB3
1904	DnaJ homolog subfamily B member 4	Q9UDY4	DNAJB4
1905	DnaJ homolog subfamily B member 6	O75190	DNAJB6
1906	DnaJ homolog subfamily B member 8	Q8NHS0	DNAJB8
1907	DnaJ homolog subfamily B member 9	Q9UBS3	DNAJB9
1908	DnaJ homolog subfamily C member 1	Q96KC8	DNAJC1
1909	DnaJ homolog subfamily C member 10	Q8IXB1	DNAJC10
1910	DnaJ homolog subfamily C member 11	Q9NVH1	DNAJC11
1911	DnaJ homolog subfamily C member 12	Q9UKB3	DNAJC12

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1912	DnaJ homolog subfamily C member 15	Q9Y5T4	DNAJC15
1913	DnaJ homolog subfamily C member 16	Q9Y2G8	DNAJC16
1914	DnaJ homolog subfamily C member 17	Q9NVM6	DNAJC17
1915	DnaJ homolog subfamily C member 18	Q9H819	DNAJC18
1916	DnaJ homolog subfamily C member 27	Q9NZQ0	DNAJC27
1917	DnaJ homolog subfamily C member 30	Q96LL9	DNAJC30
1918	DnaJ homolog subfamily C member 4:C-term	Q9NNZ3	DNAJC4
1919	DnaJ homolog subfamily C member 4:N-term	Q9NNZ3	DNAJC4
1920	DnaJ homolog subfamily C member 5B	Q9UF47	DNAJC5B
1921	Docking protein 1	Q99704	DOK1
1922	Docking protein 2	O60496	DOK2
1923	Docking protein 2	O60496	DOK2
1924	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	P39656	DDOST
1925	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1:Cytoplasmic domain	P04843	RPN1
1926	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1:Luminal domain	P04843	RPN1
1927	DOMON domain-containing protein FRRS1L	Q9P0K9	FRRS1L
1928	Dorsal root ganglia homeobox protein	A6NNA5	DRGX
1929	Double C2-like domain-containing protein beta	Q14184	DOC2B
1930	Doublesex- and mab-3-related transcription factor B1	Q96MA1	DMRTB1
1931	Doublesex- and mab-3-related transcription factor C2	Q8IXT2	DMRTC2
1932	Double-strand break repair protein MRE11	P49959	MRE11
1933	Double-stranded RNA-binding protein Staufen homolog 1	O95793	STAU1
1934	Double-stranded RNA-binding protein Staufen homolog 2	Q9NUL3	STAU2
1935	Down syndrome cell adhesion molecule	O60469	DSCAM
1936	Down syndrome cell adhesion molecule-like protein 1	Q8TD84	DSCAML1
1937	Dr1-associated corepressor	Q14919	DRAP1
1938	Draxin	Q8NBI3	DRAXIN
1939	Drebrin-like protein	Q9UJU6	DBNL
1940	Drebrin-like protein	Q9UJU6	DBNL
1941	D-ribitol-5-phosphate cytidylyltransferase	A4D126	CRPPA
1942	D-tyrosyl-tRNA(Tyr) deacylase 1	Q8TEA8	DTD1

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1943	Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A	Q9HCR9	PDE11A
1944	Dual adapter for phosphotyrosine and 3-phosphotyrosine and 3-phosphoinositide	Q9UN19	DAPP1
1945	Dual specificity mitogen-activated protein kinase kinase 1	Q02750	MAP2K1
1946	Dual specificity mitogen-activated protein kinase kinase 2	P36507	MAP2K2
1947	Dual specificity mitogen-activated protein kinase kinase 3	P46734	MAP2K3
1948	Dual specificity mitogen-activated protein kinase kinase 4	P45985	MAP2K4
1949	Dual specificity mitogen-activated protein kinase kinase 5	Q13163	MAP2K5
1950	Dual specificity mitogen-activated protein kinase kinase 6	P52564	MAP2K6
1951	Dual specificity phosphatase 28	Q4G0W2	DUSP28
1952	Dual specificity phosphatase DUPD1	Q68J44	DUPD1
1953	Dual specificity protein kinase CLK2	P49760	CLK2
1954	Dual specificity protein phosphatase 10	Q9Y6W6	DUSP10
1955	Dual specificity protein phosphatase 13 isoform A	Q6B8I1	DUSP13
1956	Dual specificity protein phosphatase 15	Q9H1R2	DUSP15
1957	Dual specificity protein phosphatase 16	Q9BY84	DUSP16
1958	Dual specificity protein phosphatase 18	Q8NEJ0	DUSP18
1959	Dual specificity protein phosphatase 19	Q8WTR2	DUSP19
1960	Dual specificity protein phosphatase 21	Q9H596	DUSP21
1961	Dual specificity protein phosphatase 23	Q9BVJ7	DUSP23
1962	Dual specificity protein phosphatase 26	Q9BV47	DUSP26
1963	Dual specificity protein phosphatase 3	P51452	DUSP3
1964	Dual specificity protein phosphatase 4	Q13115	DUSP4
1965	Dual specificity protein phosphatase 6	Q16828	DUSP6
1966	Dual specificity tyrosine-phosphorylation-regulated kinase 1A	Q13627	DYRK1A
1967	Dual specificity tyrosine-phosphorylation-regulated kinase 2	Q92630	DYRK2
1968	Dual specificity tyrosine-phosphorylation-regulated kinase 3	O43781	DYRK3
1969	Dual specificity tyrosine-phosphorylation-regulated kinase 3	O43781	DYRK3
1970	Dynactin subunit 2	Q13561	DCTN2
1971	Dynactin subunit 6	O00399	DCTN6
1972	Dynamin-1	Q05193	DNM1
1973	Dynamin-1-like protein	O00429	DNM1L
1974	Dynamin-2	P50570	DNM2



#	Human Target or Analyte	UniProt ID	GeneID
1975	Dynein intermediate chain 1, axonemal	Q9UI46	DNAI1
1976	Dynein light chain 1, cytoplasmic	P63167	DYNLL1
1977	Dynein light chain 2, cytoplasmic	Q96FJ2	DYNLL2
1978	Dynein light chain roadblock-type 1	Q9NP97	DYNLRB1
1979	Dynein light chain roadblock-type 2	Q8TF09	DYNLRB2
1980	Dynein light chain Tctex-type 1	P63172	DYNLT1
1981	Dynein light chain Tctex-type 3	P51808	DYNLT3
1982	Dynorphin A (1-17)	P01213	PDYN
1983	Dysbindin	Q96EV8	DTNBP1
1984	Dysbindin domain-containing protein 1	Q9H9R9	DBNDD1
1985	Dysbindin domain-containing protein 2	Q9BQY9	DBNDD2
1986	Dyslexia-associated protein KIAA0319-like protein	Q8IZA0	KIAA0319L
1987	Dystrobrevin alpha	Q9Y4J8	DTNA
1988	Dystrobrevin alpha	Q9Y4J8	DTNA
1989	Dystroglycan	Q14118	DAG1
1990	Dystrotelin	A2CJ06	DYTN
1991	E2F5	Q15329	E2F5
1992	E3 ISG15--protein ligase HERC5	Q9UII4	HERC5
1993	E3 SUMO-protein ligase NSE2	Q96MF7	NSMCE2
1994	E3 SUMO-protein ligase PIAS3	Q9Y6X2	PIAS3
1995	E3 SUMO-protein ligase PIAS4	Q8N2W9	PIAS4
1996	E3 ubiquitin-protein ligase CBL	P22681	CBL
1997	E3 ubiquitin-protein ligase CBL-C	Q9ULV8	CBLC
1998	E3 ubiquitin-protein ligase CCNB1IP1	Q9NPC3	CCNB1IP1
1999	E3 ubiquitin-protein ligase CHFR	Q96EP1	CHFR
2000	E3 ubiquitin-protein ligase CHIP	Q9UNE7	STUB1
2001	E3 ubiquitin-protein ligase CHIP	Q9UNE7	STUB1
2002	E3 ubiquitin-protein ligase DTX1	Q86Y01	DTX1
2003	E3 ubiquitin-protein ligase DTX3L	Q8TDB6	DTX3L
2004	E3 ubiquitin-protein ligase FANCL	Q9NW38	FANCL
2005	E3 ubiquitin-protein ligase HECW1	Q76N89	HECW1
2006	E3 ubiquitin-protein ligase HECW2	Q9P2P5	HECW2

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2007	E3 ubiquitin-protein ligase Itchy homolog	Q96J02	ITCH
2008	E3 ubiquitin-protein ligase LNX	Q8TBB1	LNX1
2009	E3 ubiquitin-protein ligase LRSAM1	Q6UWE0	LRSAM1
2010	E3 ubiquitin-protein ligase Mdm2	Q00987	MDM2
2011	E3 ubiquitin-protein ligase Mdm2	Q00987	MDM2
2012	E3 ubiquitin-protein ligase NEURL1	O76050	NEURL1
2013	E3 ubiquitin-protein ligase NRDP1	Q9H4P4	RNF41
2014	E3 ubiquitin-protein ligase parkin	O60260	PRKN
2015	E3 ubiquitin-protein ligase pellino homolog 1	Q96FA3	PELI1
2016	E3 ubiquitin-protein ligase pellino homolog 2	Q9HAT8	PELI2
2017	E3 ubiquitin-protein ligase RAD18	Q9NS91	RAD18
2018	E3 ubiquitin-protein ligase RBBP6	Q7Z6E9	RBBP6
2019	E3 ubiquitin-protein ligase rifylylin	Q8WZ73	RFFL
2020	E3 ubiquitin-protein ligase RNF114	Q9Y508	RNF114
2021	E3 ubiquitin-protein ligase RNF128:region 1	Q8TEB7	RNF128
2022	E3 ubiquitin-protein ligase RNF128:region 2	Q8TEB7	RNF128
2023	E3 ubiquitin-protein ligase RNF13	O43567	RNF13
2024	E3 ubiquitin-protein ligase RNF146	Q9NTX7	RNF146
2025	E3 ubiquitin-protein ligase RNF149	Q8NC42	RNF149
2026	E3 ubiquitin-protein ligase RNF25	Q96BH1	RNF25
2027	E3 ubiquitin-protein ligase RNF31	Q96EP0	RNF31
2028	E3 ubiquitin-protein ligase RNF34	Q969K3	RNF34
2029	E3 ubiquitin-protein ligase RNF43	Q68DV7	RNF43
2030	E3 ubiquitin-protein ligase RNF43	Q68DV7	RNF43
2031	E3 ubiquitin-protein ligase RNF8	O76064	RNF8
2032	E3 ubiquitin-protein ligase SIAH1	Q8IUQ4	SIAH1
2033	E3 ubiquitin-protein ligase SMURF1	Q9HCE7	SMURF1
2034	E3 ubiquitin-protein ligase SMURF2	Q9HAU4	SMURF2
2035	E3 ubiquitin-protein ligase TRIM21	P19474	TRIM21
2036	E3 ubiquitin-protein ligase TRIM62	Q9BVG3	TRIM62
2037	E3 ubiquitin-protein ligase TRIM9	Q9C026	TRIM9
2038	E3 ubiquitin-protein ligase ZFP91	Q96JP5	ZFP91

#	Human Target or Analyte	UniProt ID	GeneID
2039	E3 ubiquitin-protein ligase ZNRF3	Q9ULT6	ZNRF3
2040	E3 ubiquitin-protein ligase ZNRF3	Q9ULT6	ZNRF3
2041	Early activation antigen CD69	Q07108	CD69
2042	Early endosome antigen 1	Q15075	EEA1
2043	Early placenta insulin-like peptide	Q14641	INSL4
2044	Echinoderm microtubule-associated protein-like 2	O95834	EML2
2045	Ecto-ADP-ribosyltransferase 3	Q13508	ART3
2046	Ecto-ADP-ribosyltransferase 3	Q13508	ART3
2047	Ecto-ADP-ribosyltransferase 4	Q93070	ART4
2048	Ecto-ADP-ribosyltransferase 5	Q96L15	ART5
2049	Ectodysplasin-A, secreted form	Q92838	EDA
2050	Ectodysplasin-A, secreted form	Q92838	EDA
2051	Ecto-NOX disulfide-thiol exchanger 1	Q8TC92	ENOX1
2052	Ecto-NOX disulfide-thiol exchanger 2	Q16206	ENOX2
2053	Ectonucleoside triphosphate diphosphohydrolase 1	P49961	ENTPD1
2054	Ectonucleoside triphosphate diphosphohydrolase 1	P49961	ENTPD1
2055	Ectonucleoside triphosphate diphosphohydrolase 2	Q9Y5L3	ENTPD2
2056	Ectonucleoside triphosphate diphosphohydrolase 3	O75355	ENTPD3
2057	Ectonucleoside triphosphate diphosphohydrolase 5	O75356	ENTPD5
2058	Ectonucleoside triphosphate diphosphohydrolase 6	O75354	ENTPD6
2059	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2	Q13822	ENPP2
2060	Ectonucleotide pyrophosphatase/phosphodiesterase family member 3	O14638	ENPP3
2061	Ectonucleotide pyrophosphatase/phosphodiesterase family member 5	Q9UJA9	ENPP5
2062	Ectonucleotide pyrophosphatase/phosphodiesterase family member 6	Q6UWR7	ENPP6
2063	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7	Q6UWV6	ENPP7
2064	EEF1A lysine methyltransferase 1	Q8WVE0	EEF1AKMT1
2065	EF-hand calcium-binding domain-containing protein 1	Q9HAE3	EFCAB1
2066	EF-hand calcium-binding domain-containing protein 14:C-term	O75071	EFCAB14
2067	EF-hand calcium-binding domain-containing protein 14:N-term	O75071	EFCAB14
2068	EF-hand calcium-binding domain-containing protein 4B	Q9BSW2	CRACR2A
2069	EF-hand domain-containing protein D1	Q9BUP0	EFHD1
2070	EF-hand domain-containing protein D2	Q96C19	EFHD2



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#	Human Target or Analyte	UniProt ID	GeneID
2071	EGF-containing fibulin-like extracellular matrix protein 1	Q12805	EFEMP1
2072	EGF-like repeat and discoidin I-like domain-containing protein 3	O43854	EDIL3
2073	Egl nine homolog 1	Q9GZT9	EGLN1
2074	Egl nine homolog 2	Q96KS0	EGLN2
2075	Egl nine homolog 3	Q9H6Z9	EGLN3
2076	EH domain-binding protein 1	Q8NDI1	EHBP1
2077	EH domain-containing protein 1	Q9H4M9	EHD1
2078	EH domain-containing protein 2	Q9NZN4	EHD2
2079	EH domain-containing protein 3	Q9NZN3	EHD3
2080	EH domain-containing protein 4	Q9H223	EHD4
2081	eIF-2-alpha kinase GCN2	Q9P2K8	EIF2AK4
2082	EKC/KEOPS complex subunit TPRKB	Q9Y3C4	TPRKB
2083	Elafin	P19957	PI3
2084	ELAV-like protein 1	Q15717	ELAVL1
2085	ELAV-like protein 2	Q12926	ELAVL2
2086	Electron transfer flavoprotein subunit alpha, mitochondrial	P13804	ETFA
2087	Electroneutral sodium bicarbonate exchanger 1	Q2Y0W8	SLC4A8
2088	ELKS/RAB6-interacting/CAST family member 1	Q8IUD2	ERC1
2089	Elongation factor 1-alpha 1	P68104	EEF1A1
2090	Elongation factor 1-alpha 1	P68104	EEF1A1
2091	Elongation factor 1-alpha 1	P68104	EEF1A1
2092	Elongation factor 1-beta	P24534	EEF1B2
2093	Elongation factor 1-delta	P29692	EEF1D
2094	Elongation factor 1-gamma	P26641	EEF1G
2095	Elongator complex protein 1	O95163	ELP1
2096	Embryonal Fyn-associated substrate	O43281	EFS
2097	EMI domain-containing protein 1	Q96A84	EMID1
2098	EMILIN-3:region 1	Q9NT22	EMILIN3
2099	EMILIN-3:region 2	Q9NT22	EMILIN3
2100	Ena/VASP-like protein	Q9UI08	EVL
2101	Endogenous retrovirus group V member 1 Env polyprotein	B6SEH8	ERVV-1
2102	Endoglin	P17813	ENG

#	Human Target or Analyte	UniProt ID	GeneID
2103	Endonuclease 8-like 1	Q96FI4	NEIL1
2104	Endonuclease 8-like 2	Q969S2	NEIL2
2105	Endophilin-A1	Q99962	SH3GL2
2106	Endophilin-A1	Q99962	SH3GL2
2107	Endophilin-A3	Q99963	SH3GL3
2108	Endophilin-A3	Q99963	SH3GL3
2109	Endophilin-B1	Q9Y371	SH3GLB1
2110	Endophilin-B2	Q9NR46	SH3GLB2
2111	Endoplasmic reticulum aminopeptidase 1	Q9NZ08	ERAP1
2112	Endoplasmic reticulum aminopeptidase 2	Q6P179	ERAP2
2113	Endoplasmic reticulum junction formation protein lunapark	Q9C0E8	LNPK
2114	Endoplasmic reticulum lectin 1	Q96DZ1	ERLEC1
2115	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase	Q9UKM7	MAN1B1
2116	Endoplasmic reticulum resident protein 27	Q96DN0	ERP27
2117	Endoplasmic reticulum resident protein 29	P30040	ERP29
2118	Endoplasmic reticulum resident protein 29	P30040	ERP29
2119	Endoplasmic reticulum resident protein 44	Q9BS26	ERP44
2120	Endoplasmic reticulum-Golgi intermediate compartment protein 1	Q969X5	ERGIC1
2121	Endoplasmin	P14625	HSP90B1
2122	Endoribonuclease LACTB2	Q53H82	LACTB2
2123	Endosialin	Q9HCU0	CD248
2124	Endostatin	P39060	COL18A1
2125	Endothelial cell-derived lipase	Q9Y5X9	LIPG
2126	Endothelial cell-selective adhesion molecule	Q96AP7	ESAM
2127	Endothelial cell-selective adhesion molecule	Q96AP7	ESAM
2128	Endothelial cell-selective adhesion molecule	Q96AP7	ESAM
2129	Endothelial cell-specific molecule 1	Q9NQ30	ESM1
2130	Endothelial differentiation-related factor 1	O60869	EDF1
2131	Endothelial monocyte-activating polypeptide 2	Q12904	AIMP1
2132	Endothelin-1	P05305	EDN1
2133	Endothelin-2	P20800	EDN2
2134	Endothelin-3	P14138	EDN3



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2135	Endothelin-3	P14138	EDN3
2136	Endothelin-converting enzyme 1:Cytoplasmic domain	P42892	ECE1
2137	Endothelin-converting enzyme 1:Extracellular domain	P42892	ECE1
2138	Endothelin-converting enzyme-like 1	O95672	ECEL1
2139	Engulfment and cell motility protein 1	Q92556	ELMO1
2140	Engulfment and cell motility protein 2	Q96JJ3	ELMO2
2141	Enhancer of filamentation 1	Q14511	NEDD9
2142	Enhancer of mRNA-decapping protein 4	Q6P2E9	EDC4
2143	Enhancer of rudimentary homolog	P84090	ERH
2144	Enhancer of zeste homolog 2	Q15910	EZH2
2145	Enoyl-CoA delta isomerase 1, mitochondrial	P42126	ECI1
2146	Enoyl-CoA delta isomerase 2, mitochondrial	O75521	ECI2
2147	Enoyl-CoA hydratase, mitochondrial	P30084	ECHS1
2148	Enteropeptidase	P98073	TMPRSS15
2149	Envoplakin	Q92817	EVPL
2150	Eosinophil cationic protein	P12724	RNASE3
2151	Eosinophil cationic protein	P12724	RNASE3
2152	Eotaxin	P51671	CCL11
2153	EP300-interacting inhibitor of differentiation 3	Q8N140	EID3
2154	Ephrin type-A receptor 1	P21709	EPHA1
2155	Ephrin type-A receptor 10	Q5JZY3	EPHA10
2156	Ephrin type-A receptor 10	Q5JZY3	EPHA10
2157	Ephrin type-A receptor 2	P29317	EPHA2
2158	Ephrin type-A receptor 3	P29320	EPHA3
2159	Ephrin type-A receptor 4	P54764	EPHA4
2160	Ephrin type-A receptor 4	P54764	EPHA4
2161	Ephrin type-A receptor 5	P54756	EPHA5
2162	Ephrin type-A receptor 6	Q9UF33	EPHA6
2163	Ephrin type-A receptor 7	Q15375	EPHA7
2164	Ephrin type-A receptor 7	Q15375	EPHA7
2165	Ephrin type-A receptor 8	P29322	EPHA8
2166	Ephrin type-B receptor 1	P54762	EPHB1

#	Human Target or Analyte	UniProt ID	GeneID
2167	Ephrin type-B receptor 2	P29323	EPHB2
2168	Ephrin type-B receptor 2	P29323	EPHB2
2169	Ephrin type-B receptor 3	P54753	EPHB3
2170	Ephrin type-B receptor 4	P54760	EPHB4
2171	Ephrin type-B receptor 6	O15197	EPHB6
2172	Ephrin type-B receptor 6	O15197	EPHB6
2173	Ephrin-A1	P20827	EFNA1
2174	Ephrin-A2	O43921	EFNA2
2175	Ephrin-A2	O43921	EFNA2
2176	Ephrin-A2	O43921	EFNA2
2177	Ephrin-A3	P52797	EFNA3
2178	Ephrin-A3	P52797	EFNA3
2179	Ephrin-A4	P52798	EFNA4
2180	Ephrin-A4	P52798	EFNA4
2181	Ephrin-A5	P52803	EFNA5
2182	Ephrin-B1	P98172	EFNB1
2183	Ephrin-B1	P98172	EFNB1
2184	Ephrin-B2:Cytoplasmic domain	P52799	EFNB2
2185	Ephrin-B2:Extracellular domain	P52799	EFNB2
2186	Ephrin-B3:Cytoplasmic domain	Q15768	EFNB3
2187	Ephrin-B3:Extracellular domain	Q15768	EFNB3
2188	Epidermal growth factor receptor	P00533	EGFR
2189	Epidermal growth factor receptor kinase substrate 8-like protein 1	Q8TE68	EPS8L1
2190	Epidermal growth factor receptor kinase substrate 8-like protein 2	Q9H6S3	EPS8L2
2191	Epidermal growth factor receptor kinase substrate 8-like protein 3	Q8TE67	EPS8L3
2192	Epidermal growth factor receptor substrate 15-like 1	Q9UBC2	EPS15L1
2193	Epidermal growth factor receptor variant III	P00533	EGFR
2194	Epidermal growth factor:Cytoplasmic domain	P01133	EGF
2195	Epidermal growth factor:Extracellular domain	P01133	EGF
2196	Epidermal growth factor-like protein 6	Q8IUX8	EGFL6
2197	Epididymal secretory glutathione peroxidase	O75715	GPX5
2198	Epididymal secretory protein E3-alpha	Q14507	EDDM3A

#	Human Target or Analyte	UniProt ID	GeneID
2199	Epididymal secretory protein E3-beta	P56851	EDDM3B
2200	Epididymal-specific lipocalin-10	Q6JVE6	LCN10
2201	Epididymal-specific lipocalin-8	Q6JVE9	LCN8
2202	Epididymis-specific alpha-mannosidase	Q9Y2E5	MAN2B2
2203	Epiregulin	O14944	EREG
2204	Epithelial discoidin domain-containing receptor 1	Q08345	DDR1
2205	Epithelial discoidin domain-containing receptor 1	Q08345	DDR1
2206	Epithelial splicing regulatory protein 1	Q6NXG1	ESRP1
2207	Epoxide hydrolase 2	P34913	EPHX2
2208	Epsin-1	Q9Y6I3	EPN1
2209	Equatorin	Q9NQ60	EQTN
2210	ER degradation-enhancing alpha-mannosidase-like 2	Q9BV94	EDEM2
2211	ER membrane protein complex subunit 1	Q8N766	EMC1
2212	ER membrane protein complex subunit 2	Q15006	EMC2
2213	ER membrane protein complex subunit 4	Q5J8M3	EMC4
2214	ER membrane protein complex subunit 8	O43402	EMC8
2215	Erlin-1	O75477	ERLIN1
2216	Ermin	Q8TAM6	ERMN
2217	ERO1-like protein alpha	Q96HE7	ERO1A
2218	ERO1-like protein beta	Q86YB8	ERO1B
2219	Erythrocyte band 7 integral membrane protein	P27105	STOM
2220	Erythroid membrane-associated protein	Q96PL5	ERMAP
2221	Erythropoietin	P01588	EPO
2222	Erythropoietin receptor	P19235	EPOR
2223	Erythropoietin receptor	P19235	EPOR
2224	ES1 protein homolog, mitochondrial	P30042	None
2225	E-selectin	P16581	SELE
2226	Espin	B1AK53	None
2227	Esterase OVCA2	Q8WZ82	OVCA2
2228	Estradiol 17-beta-dehydrogenase 1	P14061	HSD17B1
2229	Estradiol 17-beta-dehydrogenase 11	Q8NBQ5	HSD17B11
2230	Estradiol 17-beta-dehydrogenase 8	Q92506	HSD17B8



#	Human Target or Analyte	UniProt ID	GeneID
2231	Estrogen sulfotransferase	P49888	SULT1E1
2232	Estrogen sulfotransferase	P49888	SULT1E1
2233	Ethanolamine kinase 1	Q9HBU6	ETNK1
2234	Ethanolamine kinase 2	Q9NVF9	ETNK2
2235	Ethylmalonyl-CoA decarboxylase	Q9NTX5	ECHDC1
2236	ETS domain-containing protein Elk-1	P19419	ELK1
2237	ETS domain-containing protein Elk-3	P41970	ELK3
2238	ETS domain-containing protein Elk-4	P28324	ELK4
2239	ETS homologous factor	Q9NZC4	EHF
2240	ETS translocation variant 2	O00321	ETV2
2241	ETS translocation variant 4	P43268	ETV4
2242	ETS translocation variant 5	P41161	ETV5
2243	ETS-related transcription factor Elf-5	Q9UKW6	ELF5
2244	Eukaryotic elongation factor 2 kinase	O00418	EEF2K
2245	Eukaryotic initiation factor 4A-I	P60842	EIF4A1
2246	Eukaryotic initiation factor 4A-II	Q14240	EIF4A2
2247	Eukaryotic initiation factor 4A-II	Q14240	EIF4A2
2248	Eukaryotic initiation factor 4A-III	P38919	EIF4A3
2249	Eukaryotic peptide chain release factor GTP-binding subunit ERF3B	Q8IYD1	GSPT2
2250	Eukaryotic translation elongation factor 1 epsilon-1	O43324	EEF1E1
2251	Eukaryotic translation initiation factor 1	P41567	EIF1
2252	Eukaryotic translation initiation factor 1A, X-chromosomal	P47813	EIF1AX
2253	Eukaryotic translation initiation factor 1A, Y-chromosomal	O14602	EIF1AY
2254	Eukaryotic translation initiation factor 1b	O60739	EIF1B
2255	Eukaryotic translation initiation factor 2 subunit 1	P05198	EIF2S1
2256	Eukaryotic translation initiation factor 2 subunit 2	P20042	EIF2S2
2257	Eukaryotic translation initiation factor 2A	Q9BY44	EIF2A
2258	Eukaryotic translation initiation factor 2A	Q9BY44	EIF2A
2259	Eukaryotic translation initiation factor 2C 2	Q9UKV8	AGO2
2260	Eukaryotic translation initiation factor 3 subunit B	P55884	EIF3B
2261	Eukaryotic translation initiation factor 3 subunit G	O75821	EIF3G
2262	Eukaryotic translation initiation factor 3 subunit J	O75822	EIF3J

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2263	Eukaryotic translation initiation factor 3 subunit M	Q7L2H7	EIF3M
2264	Eukaryotic translation initiation factor 4 gamma 1	Q04637	EIF4G1
2265	Eukaryotic translation initiation factor 4 gamma 2	P78344	EIF4G2
2266	Eukaryotic translation initiation factor 4 gamma 3	O43432	EIF4G3
2267	Eukaryotic translation initiation factor 4B	P23588	EIF4B
2268	Eukaryotic translation initiation factor 4E	P06730	EIF4E
2269	Eukaryotic translation initiation factor 4E type 2	O60573	EIF4E2
2270	Eukaryotic translation initiation factor 4E-binding protein 1	Q13541	EIF4EBP1
2271	Eukaryotic translation initiation factor 4E-binding protein 2	Q13542	EIF4EBP2
2272	Eukaryotic translation initiation factor 4E-binding protein 2	Q13542	EIF4EBP2
2273	Eukaryotic translation initiation factor 4E-binding protein 3	O60516	EIF4EBP3
2274	Eukaryotic translation initiation factor 4H	Q15056	EIF4H
2275	Eukaryotic translation initiation factor 5	P55010	EIF5
2276	Eukaryotic translation initiation factor 5A-1	P63241	EIF5A
2277	Eukaryotic translation initiation factor 5A-2	Q9GZV4	EIF5A2
2278	Exocyst complex component 7	Q9UPT5	EXOC7
2279	Exosome complex component CSL4	Q9Y3B2	EXOSC1
2280	Exosome complex component RRP40	Q9NQT5	EXOSC3
2281	Exosome complex component RRP43	Q96B26	EXOSC8
2282	Exosome complex component RRP46	Q9NQT4	EXOSC5
2283	Exostosin-like 2	Q9UBQ6	EXTL2
2284	Exportin-5	Q9HAV4	XPO5
2285	Extracellular glycoprotein lacritin	Q9GZZ8	LACRT
2286	Extracellular matrix protein 1	Q16610	ECM1
2287	Extracellular sulfatase Sulf-2	Q8IWU5	SULF2
2288	Extracellular superoxide dismutase [Cu-Zn]	P08294	SOD3
2289	Extracellular superoxide dismutase [Cu-Zn]	P08294	SOD3
2290	Extracellular tyrosine-protein kinase PKDCC	Q504Y2	PKDCC
2291	Eyes absent homolog 2	O00167	EYA2
2292	Ezrin	P15311	EZR
2293	Ezrin-radixin-moesin-binding phosphoprotein 50	O14745	SLC9A3R1
2294	FACT complex subunit SSRP1	Q08945	SSRP1



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2295	F-actin-capping protein subunit alpha-1	P52907	CAPZA1
2296	F-actin-capping protein subunit beta	P47756	CAPZB
2297	Factor seven-activating protease	Q14520	HABP2
2298	FAD-dependent oxidoreductase domain-containing protein 1	Q96CU9	FOXRED1
2299	FAD-linked sulfhydryl oxidase ALR	P55789	GFER
2300	Fanconi anemia group F protein	Q9NPI8	FANCF
2301	Far upstream element-binding protein 1	Q96AE4	FUBP1
2302	Far upstream element-binding protein 2	Q92945	KHSRP
2303	Far upstream element-binding protein 3	Q96I24	FUBP3
2304	Farnesyl pyrophosphate synthetase	P14324	FDPS
2305	Fas apoptotic inhibitory molecule 1	Q9NVQ4	FAIM
2306	Fas apoptotic inhibitory molecule 1	Q9NVQ4	FAIM
2307	Fas apoptotic inhibitory molecule 3	O60667	FCMR
2308	FAS-associated death domain protein	Q13158	FADD
2309	FAS-associated factor 2	Q96CS3	FAF2
2310	Fascin	Q16658	FSCN1
2311	Fat mass and obesity-associated protein	Q9C0B1	FTO
2312	Fatty acid hydroxylase domain-containing protein 2	Q96IV6	FAXDC2
2313	Fatty acid synthase	P49327	FASN
2314	Fatty acid-binding protein 12	A6NFH5	FABP12
2315	Fatty acid-binding protein 9	Q0Z7S8	FABP9
2316	Fatty acid-binding protein, adipocyte	P15090	FABP4
2317	Fatty acid-binding protein, adipocyte	P15090	FABP4
2318	Fatty acid-binding protein, epidermal	Q01469	FABP5
2319	Fatty acid-binding protein, heart	P05413	FABP3
2320	Fatty acid-binding protein, heart	P05413	FABP3
2321	Fatty acid-binding protein, intestinal	P12104	FABP2
2322	Fatty acid-binding protein, liver	P07148	FABP1
2323	Fatty-acid amide hydrolase 2	Q6GMR7	FAAH2
2324	F-BAR and double SH3 domains protein 1	Q86WN1	FCHSD1
2325	F-box only protein 28	Q9NVF7	FBXO28
2326	F-box only protein 3	Q9UK99	FBXO3



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2327	F-box only protein 48	Q5FWF7	FBXO48
2328	F-box/LRR-repeat protein 4:Leucine-rich repeats 2 and 3	Q9UKA2	FBXL4
2329	F-box/LRR-repeat protein 4:Leucine-rich repeats 4 and 5	Q9UKA2	FBXL4
2330	F-box/LRR-repeat protein 5	Q9UKA1	FBXL5
2331	Fc receptor-like A	Q7L513	FCRLA
2332	Fc receptor-like B	Q6BAA4	FCRLB
2333	Fc receptor-like protein 1	Q96LA6	FCRL1
2334	Fc receptor-like protein 2	Q96LA5	FCRL2
2335	Fc receptor-like protein 3	Q96P31	FCRL3
2336	Fc receptor-like protein 4:Cytoplasmic domain	Q96PJ5	FCRL4
2337	Fc receptor-like protein 4:Extracellular domain	Q96PJ5	FCRL4
2338	Fc receptor-like protein 5	Q96RD9	FCRL5
2339	Fc receptor-like protein 6	Q6DN72	FCRL6
2340	Fermitin family homolog 3	Q86UX7	FERMT3
2341	Ferritin	P02794 P02792	FTH1 FTL
2342	Ferritin heavy chain	P02794	FTH1
2343	Ferritin heavy polypeptide-like 17	Q9BXU8	FTHL17
2344	Ferritin light chain	P02792	FTL
2345	Ferritin, mitochondrial	Q8N4E7	FTMT
2346	Fetal and adult testis-expressed transcript protein	Q969F0	FATE1
2347	Fetuin-B	Q9UGM5	FETUB
2348	FGFR1 oncogene partner	O95684	CEP43
2349	FH1/FH2 domain-containing protein 1	Q9Y613	FHOD1
2350	Fibrinogen	P02671 P02675 P02679	FGA FGB FGG
2351	Fibrinogen beta chain	P02675	FGB
2352	Fibrinogen C domain-containing protein 1	Q8N539	FIBCD1
2353	Fibrinogen gamma chain	P02679	FGG
2354	Fibrinogen-like protein 1	Q08830	FGL1
2355	Fibroblast growth factor 1	P05230	FGF1
2356	Fibroblast growth factor 10	O15520	FGF10
2357	Fibroblast growth factor 12	P61328	FGF12
2358	Fibroblast growth factor 16	O43320	FGF16

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2359	Fibroblast growth factor 16	O43320	FGF16
2360	Fibroblast growth factor 17	O60258	FGF17
2361	Fibroblast growth factor 18	O76093	FGF18
2362	Fibroblast growth factor 19	O95750	FGF19
2363	Fibroblast growth factor 19	O95750	FGF19
2364	Fibroblast growth factor 2	P09038	FGF2
2365	Fibroblast growth factor 20	Q9NP95	FGF20
2366	Fibroblast growth factor 22	Q9HCT0	FGF22
2367	Fibroblast growth factor 23	Q9GZV9	FGF23
2368	Fibroblast growth factor 3	P11487	FGF3
2369	Fibroblast growth factor 4	P08620	FGF4
2370	Fibroblast growth factor 5	P12034	FGF5
2371	Fibroblast growth factor 6	P10767	FGF6
2372	Fibroblast growth factor 7	P21781	FGF7
2373	Fibroblast growth factor 7	P21781	FGF7
2374	Fibroblast growth factor 8	P55075	FGF8
2375	Fibroblast growth factor 8 isoform A	P55075	FGF8
2376	Fibroblast growth factor 8 isoform B	P55075	FGF8
2377	Fibroblast growth factor 8 isoform B	P55075	FGF8
2378	Fibroblast growth factor 8 isoform F	P55075	FGF8
2379	Fibroblast growth factor 9	P31371	FGF9
2380	Fibroblast growth factor receptor 1	P11362	FGFR1
2381	Fibroblast growth factor receptor 2	P21802	FGFR2
2382	Fibroblast growth factor receptor 3:Cytoplasmic domain	P22607	FGFR3
2383	Fibroblast growth factor receptor 3:Extracellular domain	P22607	FGFR3
2384	Fibroblast growth factor receptor 4	P22455	FGFR4
2385	Fibroblast growth factor receptor substrate 2	Q8WU20	FRS2
2386	Fibroblast growth factor receptor-like 1	Q8N441	FGFRL1
2387	Fibroblast growth factor receptor-like 1	Q8N441	FGFRL1
2388	Fibroblast growth factor-binding protein 1	Q14512	FGFBP1
2389	Fibroblast growth factor-binding protein 1	Q14512	FGFBP1
2390	Fibroblast growth factor-binding protein 3	Q8TAT2	FGFBP3

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2391	Fibroleukin	Q14314	FGL2
2392	fibromodulin	Q06828	FMOD
2393	Fibronectin	P02751	FN1
2394	Fibronectin Fragment 3	P02751	FN1
2395	Fibronectin Fragment 4	P02751	FN1
2396	Fibronectin type 3 and ankyrin repeat domains protein 1	Q8TC84	FANK1
2397	Fibronectin type III and SPRY domain-containing protein 1	Q9BTV5	FSD1
2398	Fibronectin type III domain-containing protein 4	Q9H6D8	FNDC4
2399	Fibronectin type III domain-containing protein 8	Q8TC99	FNDC8
2400	Fibronectin-1 Fragment 2	P02751	FN1
2401	Fibulin-1	P23142	FBLN1
2402	Fibulin-1	P23142	FBLN1
2403	Fibulin-5	Q9UBX5	FBLN5
2404	Fibulin-5	Q9UBX5	FBLN5
2405	Fibulin-7	Q53RD9	FBLN7
2406	Ficolin-1	O00602	FCN1
2407	Ficolin-1	O00602	FCN1
2408	Ficolin-1	O00602	FCN1
2409	Ficolin-2	Q15485	FCN2
2410	Ficolin-2	Q15485	FCN2
2411	Ficolin-3	O75636	FCN3
2412	Ficolin-3	O75636	FCN3
2413	Filamin-A:Calponin Homology 1	P21333	FLNA
2414	Filamin-A:Calponin Homology 2	P21333	FLNA
2415	Filamin-binding LIM protein 1	Q8WUP2	FBLIM1
2416	FK506 binding protein 1A	P62942	FKBP1A
2417	FK506-binding protein 5	Q13451	FKBP5
2418	Flap endonuclease 1	P39748	FEN1
2419	Flavin reductase (NADPH)	P30043	BLVRB
2420	Fms-related tyrosine kinase 3 ligand	P49771	FLT3LG
2421	Fms-related tyrosine kinase 3 ligand	P49771	FLT3LG
2422	Focal adhesion kinase 1	Q05397	PTK2

#	Human Target or Analyte	UniProt ID	GeneID
2423	Folate receptor alpha	P15328	FOLR1
2424	Folate receptor beta	P14207	FOLR2
2425	Folate receptor gamma	P41439	FOLR3
2426	Folate receptor gamma	P41439	FOLR3
2427	Follicle stimulating hormone	P01215 P01225	CGA FSHB
2428	Follicular dendritic cell secreted peptide	Q8NFU4	FDCSP
2429	Follistatin	P19883	FST
2430	Follistatin-related protein 1	Q12841	FSTL1
2431	Follistatin-related protein 3	O95633	FSTL3
2432	Follistatin-related protein 4	Q6MZW2	FSTL4
2433	Follistatin-related protein 5	Q8N475	FSTL5
2434	Follitropin subunit beta	P01225	FSHB
2435	Forkhead box protein C2	Q99958	FOXC2
2436	Forkhead box protein G1	P55316	FOXG1
2437	Forkhead box protein J2	Q9P0K8	FOXJ2
2438	Forkhead box protein L2	P58012	FOXL2
2439	Forkhead box protein M1	Q08050	FOXM1
2440	Forkhead box protein O1A	Q12778	FOXO1
2441	Forkhead box protein O3	O43524	FOXO3
2442	Forkhead box protein O4	P98177	FOXO4
2443	Forkhead box protein P1	Q9H334	FOXP1
2444	Forkhead box protein P3	Q9BZS1	FOXP3
2445	Forkhead box protein P4	Q8IVH2	FOXP4
2446	Formimidoyltransferase-cyclodeaminase	O95954	FTCD
2447	Formin-binding protein 1	Q96RU3	FNBP1
2448	Fos-related antigen 2	P15408	FOSL2
2449	Four and a half LIM domains protein 1	Q13642	FHL1
2450	Four-jointed box protein 1	Q86VR8	FJX1
2451	Fractalkine	P78423	CX3CL1
2452	Fragile X mental retardation protein 1	Q06787	FMR1
2453	Fragile X mental retardation protein 1	Q06787	FMR1
2454	Fragile X mental retardation protein 1	Q06787	FMR1

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2455	Fragile X mental retardation syndrome-related protein 1	P51114	FXR1
2456	FRAS1-related extracellular matrix protein 1	Q5H8C1	FREM1
2457	FRAS1-related extracellular matrix protein 2	Q5SZK8	FREM2
2458	Frataxin, mitochondrial	Q16595	FXN
2459	Frataxin, mitochondrial	Q16595	FXN
2460	Friend leukemia integration 1 transcription factor	Q01543	FLI1
2461	Frizzled-1	Q9UP38	FZD1
2462	Frizzled-10:Cytoplasmic domain	Q9ULW2	FZD10
2463	Frizzled-10:Frizzled domain	Q9ULW2	FZD10
2464	Frizzled-2	Q14332	FZD2
2465	Frizzled-4	Q9ULV1	FZD4
2466	Frizzled-5	Q13467	FZD5
2467	Frizzled-7	O75084	FZD7
2468	Frizzled-8	Q9H461	FZD8
2469	Frizzled-9	O00144	FZD9
2470	Fructosamine-3-kinase	Q9H479	FN3K
2471	Fructose-1,6-bisphosphatase 1	P09467	FBP1
2472	Fructose-1,6-bisphosphatase isozyme 2	O00757	FBP2
2473	Fructose-2,6-bisphosphatase TIGAR	Q9NQ88	TIGAR
2474	Fructose-bisphosphate aldolase A	P04075	ALDOA
2475	Fructose-bisphosphate aldolase B	P05062	ALDOB
2476	Fructose-bisphosphate aldolase C	P09972	ALDOC
2477	Fumarate hydratase, mitochondrial	P07954	FH
2478	Fumarylacetoacetate	P16930	FAH
2479	Fumarylacetoacetate hydrolase domain-containing protein 2A	Q96GK7	FAHD2A
2480	FUN14 domain-containing protein 1	Q8IVP5	FUND1C1
2481	Furin	P09958	FURIN
2482	FXYD domain-containing ion transport regulator 6	Q9H0Q3	FXYD6
2483	FYVE, RhoGEF and PH domain-containing protein 2	Q7Z6J4	FGD2
2484	G antigen 12F	P0CL80	GAGE12F
2485	G antigen 2	Q13066	GAGE2B
2486	G antigen 2A	Q6NT46	GAGE2A

#	Human Target or Analyte	UniProt ID	GeneID
2487	G antigen 2D	Q9UEU5	GAGE2D
2488	G antigen 2D	Q9UEU5	GAGE2D
2489	G antigen family C member 1	O60829	PAGE4
2490	G protein-coupled receptor kinase 5	P34947	GRK5
2491	G0/G1 switch protein 2	P27469	GOS2
2492	G1/S-specific cyclin-E1	P24864	CCNE1
2493	G2/mitotic-specific cyclin-B1	P14635	CCNB1
2494	G2/mitotic-specific cyclin-B2	O95067	CCNB2
2495	GA-binding protein subunit beta-1	Q06547	GABPB1
2496	Galactokinase	P51570	GALK1
2497	Galactose-3-O-sulfotransferase 2	Q9H3Q3	GAL3ST2
2498	Galactoside 2-alpha-L-fucosyltransferase 2	Q10981	FUT2
2499	Galactoside 3(4)-L-fucosyltransferase	P21217	FUT3
2500	Galactoside-binding soluble lectin 13	Q9UHV8	LGALS13
2501	Galactosylceramide sulfotransferase	Q99999	GAL3ST1
2502	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1	Q9P2W7	B3GAT1
2503	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3	O94766	B3GAT3
2504	Galanin	P22466	GAL
2505	Galanin-like peptide	Q9UBC7	GALP
2506	Galectin-1	P09382	LGALS1
2507	Galectin-10	Q05315	CLC
2508	Galectin-2	P05162	LGALS2
2509	Galectin-3	P17931	LGALS3
2510	Galectin-3-binding protein	Q08380	LGALS3BP
2511	Galectin-4	P56470	LGALS4
2512	Galectin-7	P47929	LGALS7
2513	Galectin-7	P47929	LGALS7
2514	Galectin-8	O00214	LGALS8
2515	Galectin-9	O00182	LGALS9
2516	Galectin-related protein	Q3ZCW2	LGALSL
2517	Gametocyte-specific factor 1	Q8WW33	GTSF1
2518	Gamma-aminobutyric acid receptor-associated protein	O95166	GABARAP

#	Human Target or Analyte	UniProt ID	GeneID
2519	Gamma-aminobutyric acid receptor-associated protein	O95166	GABARAP
2520	Gamma-aminobutyric acid receptor-associated protein-like 1	Q9H0R8	GABARAPL1
2521	Gamma-aminobutyric acid receptor-associated protein-like 2	P60520	GABARAPL2
2522	Gamma-aminobutyric acid type B receptor subunit 1	Q9UBS5	GABBR1
2523	Gamma-aminobutyric acid type B receptor subunit 2:Cytoplasmic domain	O75899	GABBR2
2524	Gamma-aminobutyric acid type B receptor subunit 2:Extracellular domain	O75899	GABBR2
2525	Gamma-crystallin A	P11844	CRYGA
2526	Gamma-crystallin C	P07315	CRYGC
2527	Gamma-crystallin D	P07320	CRYGD
2528	Gamma-enolase	P09104	ENO2
2529	Gamma-enolase	P09104	ENO2
2530	Gamma-glutamyl hydrolase	Q92820	GGH
2531	Gamma-glutamyltransferase 5	P36269	GGT5
2532	Gamma-interferon-inducible protein 16:Isoform 2, Hematopoietic expression, interferon-inducible nature, and nuclear localization 1	Q16666	IFI16
2533	Gamma-interferon-inducible protein 16:Isoform 2, Hematopoietic expression, interferon-inducible nature, and nuclear localization 2	Q16666	IFI16
2534	Gamma-secretase subunit PEN-2	Q9NZ42	PSENEN
2535	Gamma-soluble NSF attachment protein	Q99747	NAPG
2536	Gamma-synuclein	O76070	SNCG
2537	Ganglioside GM2 activator	P17900	GM2A
2538	Ganglioside-induced differentiation-associated protein 1-like 1	Q96MZ0	GDAP1L1
2539	Gap junction alpha-1 protein	P17302	GJA1
2540	Gap junction alpha-8 protein	P48165	GJA8
2541	Gap junction delta-2 protein	Q9UKL4	GJD2
2542	Gastric inhibitory polypeptide	P09681	GIP
2543	Gastric inhibitory polypeptide	P09681	GIP
2544	Gastric intrinsic factor	P27352	CBLIF
2545	Gastrin-releasing peptide	P07492	GRP
2546	Gastrin-releasing peptide	P07492	GRP
2547	Gastrokine-1	Q9NS71	GKN1
2548	Gastrokine-2	Q86XP6	GKN2
2549	Gastrotropin	P51161	FABP6

#	Human Target or Analyte	UniProt ID	GeneID
2550	GATA zinc finger domain-containing protein 1	Q8WUU5	GATAD1
2551	GDH/6PGL endoplasmic bifunctional protein	O95479	H6PD
2552	GDNF family receptor alpha-1	P56159	GFRA1
2553	GDNF family receptor alpha-2	O00451	GFRA2
2554	GDNF family receptor alpha-3	O60609	GFRA3
2555	GDNF family receptor alpha-like	Q6UXV0	GFRAL
2556	GDP-fucose protein O-fucosyltransferase 1	Q9H488	POFUT1
2557	GDP-L-fucose synthase	Q13630	TSTA3
2558	GDP-mannose 4,6 dehydratase	O60547	GMDS
2559	Gelsolin	P06396	GSN
2560	Gelsolin	P06396	GSN
2561	Gem-associated protein 6	Q8WXD5	GEMIN6
2562	Gem-associated protein 7	Q9H840	GEMIN7
2563	Geminin	O75496	GMNN
2564	General transcription factor II-E subunit 1	P29083	GTF2E1
2565	General transcription factor II-F subunit 2	P13984	GTF2F2
2566	General transcription factor II-I	P78347	GTF2I
2567	General vesicular transport factor p115	O60763	USO1
2568	Gephyrin	Q9NQX3	GPHN
2569	Geranylgeranyl pyrophosphate synthase	O95749	GGPS1
2570	GH3 domain-containing protein	Q8N2G8	GHDC
2571	Gigaxonin	Q9H2C0	GAN
2572	Glia maturation factor beta	P60983	GMFB
2573	Glia maturation factor gamma	O60234	GMFG
2574	Glia-derived nexin	P07093	SERPINE2
2575	Glia-derived nexin	P07093	SERPINE2
2576	Glial cell line-derived neurotrophic factor	P39905	GDNF
2577	Glial fibrillary acidic protein	P14136	GFAP
2578	Glial fibrillary acidic protein	P14136	GFAP
2579	Glioma pathogenesis-related protein 1	P48060	GLIPR1
2580	Gliomedin	Q6ZMI3	GLDN
2581	Glucagon	P01275	GCG

#	Human Target or Analyte	UniProt ID	GeneID
2582	Glucagon-like peptide 1 receptor:Cytoplasmic domain	P43220	GLP1R
2583	Glucagon-like peptide 1 receptor:Extracellular domain	P43220	GLP1R
2584	Glucocorticoid modulatory element-binding protein 2	Q9UKD1	GMEB2
2585	Glucocorticoid receptor	P04150	NR3C1
2586	Glucokinase	P35557	GCK
2587	Glucokinase regulatory protein	Q14397	GCKR
2588	Glucosamine 6-phosphate N-acetyltransferase	Q96EK6	GNPNAT1
2589	Glucosamine-6-phosphate isomerase 1	P46926	GNPDA1
2590	Glucose-6-phosphate 1-dehydrogenase	P11413	G6PD
2591	Glucose-6-phosphate isomerase	P06744	GPI
2592	Glucose-induced degradation protein 8 homolog	Q9NWU2	GID8
2593	Glucosidase 2 subunit beta	P14314	PRKCSH
2594	Glucoside xylosyltransferase 1	Q4G148	GXYLT1
2595	Glucosylceramidase	P04062	GBA
2596	Glutamate carboxypeptidase 2	Q04609	FOLH1
2597	Glutamate carboxypeptidase 2	Q04609	FOLH1
2598	Glutamate decarboxylase 1	Q99259	GAD1
2599	Glutamate dehydrogenase 1, mitochondrial	P00367	GLUD1
2600	Glutamate dehydrogenase 2, mitochondrial	P49448	GLUD2
2601	Glutamate receptor 4	P48058	GRIA4
2602	Glutamate receptor ionotropic, delta-1	Q9ULK0	GRID1
2603	Glutamate receptor ionotropic, delta-2	O43424	GRID2
2604	Glutamate receptor ionotropic, kainate 2	Q13002	GRIK2
2605	Glutamate--cysteine ligase regulatory subunit	P48507	GCLM
2606	Glutaminase kidney isoform, mitochondrial	O94925	GLS
2607	Glutamine synthetase	P15104	GLUL
2608	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	Q06210	GFPT1
2609	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2	O94808	GFPT2
2610	Glutaminyl-peptide cyclotransferase	Q16769	QPCT
2611	Glutaminyl-peptide cyclotransferase-like protein	Q9NXS2	QPCTL
2612	Glutamyl aminopeptidase	Q07075	ENPEP
2613	Glutaredoxin-1	P35754	GLRX

#	Human Target or Analyte	UniProt ID	GeneID
2614	Glutaredoxin-2, mitochondrial	Q9NS18	GLRX2
2615	Glutaredoxin-3	O76003	GLRX3
2616	Glutaredoxin-like protein C5orf63	A6NC05	C5orf63
2617	Glutaredoxin-related protein 5, mitochondrial	Q86SX6	GLRX5
2618	Glutaryl-CoA dehydrogenase, mitochondrial	Q92947	GCDH
2619	Glutathione peroxidase 1	P07203	GPX1
2620	Glutathione peroxidase 2	P18283	GPX2
2621	Glutathione peroxidase 3	P22352	GPX3
2622	Glutathione peroxidase 7	Q96SL4	GPX7
2623	Glutathione reductase, mitochondrial	P00390	GSR
2624	Glutathione S-transferase A1	P08263	GSTA1
2625	Glutathione S-transferase A1	P08263	GSTA1
2626	Glutathione S-transferase A2	P09210	GSTA2
2627	Glutathione S-transferase A3	Q16772	GSTA3
2628	Glutathione S-transferase A4	O15217	GSTA4
2629	Glutathione S-transferase kappa 1	Q9Y2Q3	GSTK1
2630	Glutathione S-transferase Mu 1	P09488	GSTM1
2631	Glutathione S-transferase Mu 1	P09488	GSTM1
2632	Glutathione S-transferase Mu 3	P21266	GSTM3
2633	Glutathione S-transferase Mu 4	Q03013	GSTM4
2634	Glutathione S-transferase Mu 5	P46439	GSTM5
2635	Glutathione S-transferase omega-1	P78417	GSTO1
2636	Glutathione S-transferase P	P09211	GSTP1
2637	Glutathione S-transferase P	P09211	GSTP1
2638	Glutathione S-transferase theta-1	P30711	GSTT1
2639	Glutathione S-transferase theta-2	P0CG29	GSTT2
2640	Glutathione S-transferase theta-2B	P0CG30	GSTT2B
2641	Glutathione synthetase	P48637	GSS
2642	Glutathione-specific gamma-glutamylcyclotransferase 1	Q9BUX1	CHAC1
2643	Glyceraldehyde-3-phosphate dehydrogenase	P04406	GAPDH
2644	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	O14556	GAPDHS
2645	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	P21695	GPD1



#	Human Target or Analyte	UniProt ID	GeneID
2646	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	P21695	GPD1
2647	Glycerol-3-phosphate dehydrogenase 1-like protein	Q8N335	GPD1L
2648	Glycerol-3-phosphate phosphatase	A6NDG6	PGP
2649	Glycerophosphocholine phosphodiesterase GPCPD1	Q9NPB8	GPCPD1
2650	Glycine amidinotransferase, mitochondrial	P50440	GATM
2651	Glycine cleavage system H protein, mitochondrial	P23434	GCSH
2652	Glycine N-acyltransferase	Q6IB77	GLYAT
2653	Glycine N-acyltransferase-like protein 2	Q8WU03	GLYATL2
2654	Glycine N-methyltransferase	Q14749	GNMT
2655	Glycodelin	P09466	PAEP
2656	Glycogen phosphorylase, brain form	P11216	PYGB
2657	Glycogen phosphorylase, liver form	P06737	PYGL
2658	Glycogen synthase kinase-3 alpha	P49840	GSK3A
2659	Glycogen synthase kinase-3 beta	P49841	GSK3B
2660	Glycogen synthase kinase-3 beta	P49841	GSK3B
2661	Glycogenin-2	O15488	GYG2
2662	Glycolipid transfer protein	Q9NZD2	GLTP
2663	Glycolipid transfer protein domain-containing protein 2	A6NH11	GLTPD2
2664	Glycoprotein endo-alpha-1,2-mannosidase	Q5SRI9	MANEA
2665	Glycoprotein hormone alpha-2	Q96T91	GPHA2
2666	Glycoprotein hormones alpha chain	P01215	CGA
2667	Glycoprotein Xg	P55808	XG
2668	Glycosaminoglycan xylosylkinase	O75063	FAM20B
2669	Glycosyltransferase 8 domain-containing protein 1	Q68CQ7	GLT8D1
2670	Glycosyltransferase 8 domain-containing protein 2	Q9H1C3	GLT8D2
2671	Glycosyltransferase-like protein LARGE1	O95461	LARGE1
2672	Glycyl t-RNA synthetase	P41250	GARS1
2673	Glycylpeptide N-tetradecanoyltransferase 1	P30419	NMT1
2674	Glycylpeptide N-tetradecanoyltransferase 1	P30419	NMT1
2675	Glycylpeptide N-tetradecanoyltransferase 2	O60551	NMT2
2676	Glyoxylate reductase/hydroxypyruvate reductase	Q9UBQ7	GRHPR
2677	Glypican-1	P35052	GPC1



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#	Human Target or Analyte	UniProt ID	GeneID
2678	Glycan-2	Q8N158	GPC2
2679	Glycan-3	P51654	GPC3
2680	Glycan-4	O75487	GPC4
2681	Glycan-5	P78333	GPC5
2682	Glycan-6	Q9Y625	GPC6
2683	GMP reductase 1	P36959	GMPR
2684	GMP reductase 2	Q9P2T1	GMPR2
2685	GMP synthase [glutamine-hydrolyzing]	P49915	GMPS
2686	Golgi membrane protein 1	Q8NBJ4	GOLM1
2687	Golgi membrane protein 1	Q8NBJ4	GOLM1
2688	Golgi phosphoprotein 3	Q9H4A6	GOLPH3
2689	Golgi phosphoprotein 3-like	Q9H4A5	GOLPH3L
2690	Golgi SNAP receptor complex member 1	O95249	GOSR1
2691	Golgi SNAP receptor complex member 2	O14653	GOSR2
2692	Golgi-associated plant pathogenesis-related protein 1	Q9H4G4	GLIPR2
2693	Golgin subfamily A member 7	Q7Z5G4	GOLGA7
2694	gp75	P17643	TYRP1
2695	GPN-loop GTPase 1	Q9HCN4	GPN1
2696	G-protein coupled receptor 26	Q8NDV2	GPR26
2697	G-protein coupled receptor 64	Q8IZP9	ADGRG2
2698	GRAM domain-containing protein 1C	Q8IYS0	GRAMD1C
2699	GRAM domain-containing protein 1C	Q8IYS0	GRAMD1C
2700	GRAM domain-containing protein 2B	Q96HH9	GRAMD2B
2701	Grancalcin	P28676	GCA
2702	Granulins	P28799	GRN
2703	Granulocyte colony-stimulating factor	P09919	CSF3
2704	Granulocyte colony-stimulating factor	P09919	CSF3
2705	Granulocyte colony-stimulating factor receptor	Q99062	CSF3R
2706	Granulocyte-macrophage colony-stimulating factor	P04141	CSF2
2707	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	P15509	CSF2RA
2708	Granulysin	P22749	GNLY
2709	Granulysin	P22749	GNLY



#	Human Target or Analyte	UniProt ID	GeneID
2710	Granzyme A	P12544	GZMA
2711	Granzyme A	P12544	GZMA
2712	Granzyme B	P10144	GZMB
2713	Granzyme B	P10144	GZMB
2714	Granzyme H	P20718	GZMH
2715	Granzyme K	P49863	GZMK
2716	Granzyme M	P51124	GZMM
2717	GRB2-associated-binding protein 1	Q13480	GAB1
2718	GRB2-related adapter protein	Q13588	GRAP
2719	GRB2-related adapter protein 2	O75791	GRAP2
2720	GRB2-related adapter protein 2	O75791	GRAP2
2721	Gremlin-1	O60565	GREM1
2722	Gremlin-2	Q9H772	GREM2
2723	GRIP1-associated protein 1	Q4V328	GRIPAP1
2724	Gro-beta	P19875	CXCL2
2725	Gro-beta	P19875	CXCL2
2726	Gro-gamma	P19876	CXCL3
2727	Gro-gamma	P19876	CXCL3
2728	Group 10 secretory phospholipase A2	O15496	PLA2G10
2729	Group IID secretory phospholipase A2	Q9UNK4	PLA2G2D
2730	Group IIE secretory phospholipase A2	Q9NZK7	PLA2G2E
2731	Group IIE secretory phospholipase A2	Q9NZK7	PLA2G2E
2732	Group XIIIB secretory phospholipase A2-like protein	Q9BX93	PLA2G12B
2733	Growth arrest and DNA damage-inducible proteins-interacting protein 1	Q8TAE8	GADD45GIP1
2734	Growth arrest-specific protein 1	P54826	GAS1
2735	Growth arrest-specific protein 2	O43903	GAS2
2736	Growth arrest-specific protein 6	Q14393	GAS6
2737	Growth arrest-specific protein 7	O60861	GAS7
2738	Growth factor receptor-bound protein 10	Q13322	GRB10
2739	Growth factor receptor-bound protein 14	Q14449	GRB14
2740	Growth factor receptor-bound protein 2	P62993	GRB2
2741	Growth factor receptor-bound protein 7	Q14451	GRB7

#	Human Target or Analyte	UniProt ID	GeneID
2742	Growth hormone receptor	P10912	GHR
2743	Growth hormone variant	P01242	GH2
2744	Growth/differentiation factor 10	P55107	GDF10
2745	Growth/differentiation factor 10	P55107	GDF10
2746	Growth/differentiation factor 11	O95390	GDF11
2747	Growth/differentiation factor 11/8	O95390 O14793	GDF11 MSTN
2748	Growth/differentiation factor 15	Q99988	GDF15
2749	Growth/differentiation factor 2	Q9UK05	GDF2
2750	Growth/differentiation factor 3	Q9NR23	GDF3
2751	Growth/differentiation factor 5	P43026	GDF5
2752	Growth/differentiation factor 7	Q7Z4P5	GDF7
2753	Growth/differentiation factor 7	Q7Z4P5	GDF7
2754	Growth/differentiation factor 8	O14793	MSTN
2755	Growth/differentiation factor 8	O14793	MSTN
2756	Growth/differentiation factor 9	O60383	GDF9
2757	Growth-regulated alpha protein	P09341	CXCL1
2758	GrpE protein homolog 1, mitochondrial	Q9HAV7	GRPEL1
2759	GSK3-beta interaction protein	Q9P0R6	GSKIP
2760	GTP cyclohydrolase 1	P30793	GCH1
2761	GTP cyclohydrolase I feedback regulatory protein	P30047	GCHFR
2762	GTPase HRas	P01112	HRAS
2763	GTPase IMAP family member 4	Q9NUV9	GIMAP4
2764	GTPase IMAP family member 6	Q6P9H5	GIMAP6
2765	GTPase IMAP family member 7	Q8NHV1	GIMAP7
2766	GTPase IMAP family member GIMD1	P0DJR0	GIMD1
2767	GTPase KRas	P01116	KRAS
2768	GTPase KRas	P01116	KRAS
2769	GTPase NRas	P01111	NRAS
2770	GTP-binding nuclear protein Ran	P62826	RAN
2771	GTP-binding protein 10	A4D1E9	GTPBP10
2772	GTP-binding protein Di-Ras1	O95057	DIRAS1
2773	GTP-binding protein Di-Ras3	O95661	DIRAS3

#	Human Target or Analyte	UniProt ID	GeneID
2774	GTP-binding protein GEM	P55040	GEM
2775	GTP-binding protein RAD	P55042	RRAD
2776	GTP-binding protein REM1	O75628	REM1
2777	GTP-binding protein SAR1a	Q9NR31	SAR1A
2778	GTP-binding protein SAR1a	Q9NR31	SAR1A
2779	GTP-binding protein SAR1b	Q9Y6B6	SAR1B
2780	GTP-binding protein SAR1b	Q9Y6B6	SAR1B
2781	Guanine deaminase	Q9Y2T3	GDA
2782	Guanine nucleotide exchange factor DBS	O15068	MCF2L
2783	Guanine nucleotide exchange factor for Rab-3A	Q8TBN0	RAB3IL1
2784	Guanine nucleotide exchange factor MSS4	P47224	RABIF
2785	Guanine nucleotide exchange factor VAV3	Q9UKW4	VAV3
2786	Guanine nucleotide-binding protein G(i) subunit alpha-1	P63096	GNAI1
2787	Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-12 subunit	Q9UBI6	GNG12
2788	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-11	P61952	GNG11
2789	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-T2	O14610	GNGT2
2790	Guanine nucleotide-binding protein G(k) subunit alpha	P08754	GNAI3
2791	Guanine nucleotide-binding protein G(q) subunit alpha	P50148	GNAQ
2792	Guanine nucleotide-binding protein G(s) subunit alpha isoforms	Q5JWF2 P63092	GNAS GNAS
2793	Guanine nucleotide-binding protein subunit beta-2-like 1	P63244	RACK1
2794	Guanylate cyclase activator 2B	Q16661	GUCA2B
2795	Guanylate kinase	Q16774	GUK1
2796	Guanylate-binding protein 1	P32455	GBP1
2797	Guanylate-binding protein 2	P32456	GBP2
2798	Guanylate-binding protein 5	Q96PP8	GBP5
2799	Guanylate-binding protein 6	Q6ZN66	GBP6
2800	Guanylyl cyclase-activating protein 1	P43080	GUCA1A
2801	Guanylyl cyclase-activating protein 2	Q9UMX6	GUCA1B
2802	H/ACA ribonucleoprotein complex subunit 2	Q9NX24	NHP2
2803	Hairy/enhancer-of-split related with YRPW motif protein 1	Q9Y5J3	HEY1
2804	Hairy/enhancer-of-split related with YRPW motif protein 1	Q9Y5J3	HEY1
2805	Haloacid dehalogenase-like hydrolase domain-containing protein 2	Q9H0R4	HDHD2



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2806	Haloacid dehalogenase-like hydrolase domain-containing protein 3	Q9BSH5	HDHD3
2807	Haptoglobin	P00738	HP
2808	Haptoglobin isoform 2	P00738	HP
2809	Harmonin	Q9Y6N9	USH1C
2810	HAUS augmin-like complex subunit 1	Q96CS2	HAUS1
2811	HCLS1-associated protein X-1	O00165	HAX1
2812	Heat shock 70 kDa protein 12A	O43301	HSPA12A
2813	Heat shock 70 kDa protein 13	P48723	HSPA13
2814	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2815	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2816	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2817	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2818	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2819	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2820	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2821	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2822	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A
2823	Heat shock 70 kDa protein 1B	P0DMV9	HSPA1B
2824	Heat shock 70 kDa protein 1-like	P34931	HSPA1L
2825	Heat shock 70 kDa protein 6	P17066	HSPA6
2826	Heat shock 70 kDa protein 6	P17066	HSPA6
2827	Heat shock cognate 71 kDa protein	P11142	HSPA8
2828	Heat shock factor 2-binding protein	O75031	HSF2BP
2829	Heat shock factor protein 1	Q00613	HSF1
2830	Heat shock protein 105 kDa	Q92598	HSPH1
2831	Heat shock protein beta-1	P04792	HSPB1
2832	Heat shock protein beta-3	Q12988	HSPB3
2833	Heat shock protein beta-6	O14558	HSPB6
2834	Heat shock protein HSP 90-beta	P08238	HSP90AB1
2835	Heat shock-related 70 kDa protein 2	P54652	HSPA2
2836	Hedgehog-interacting protein	Q96QV1	HHIP
2837	Hematological and neurological expressed 1 protein	Q9UK76	JPT1

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2838	Hematological and neurological expressed 1-like protein	Q9H910	JPT2
2839	Hematopoietic lineage cell-specific protein	P14317	HCLS1
2840	Hematopoietic progenitor cell antigen CD34	P28906	CD34
2841	Hematopoietic prostaglandin D synthase	O60760	HPGDS
2842	Hematopoietic SH2 domain-containing protein	Q96JZ2	HSH2D
2843	Hematopoietically-expressed homeobox protein HHEX	Q03014	HHEX
2844	Heme oxygenase 1	P09601	HMOX1
2845	Heme oxygenase 2	P30519	HMOX2
2846	Heme-binding protein 1	Q9NRV9	HEBP1
2847	HemK methyltransferase family member 2	Q9Y5N5	N6AMT1
2848	Hemoglobin	P69905 P68871	HBA1 HBB
2849	Hemoglobin subunit beta	P68871	HBB
2850	Hemoglobin subunit delta	P02042	HBD
2851	Hemoglobin subunit epsilon	P02100	HBE1
2852	Hemoglobin subunit gamma-2	P69892	HBG2
2853	Hemoglobin subunit theta-1	P09105	HBQ1
2854	Hemoglobin subunit theta-1	P09105	HBQ1
2855	Hemoglobin subunit zeta	P02008	HBZ
2856	Hemojuvelin	Q6ZVN8	HJV
2857	Hemopexin	P02790	HPX
2858	Hemopexin	P02790	HPX
2859	Hemopexin	P02790	HPX
2860	HEPACAM family member 2:Isoform 1, Cytoplasmic domain	A8MVW5	HEPACAM2
2861	HEPACAM family member 2:Isoform 2, Extracellular domain	A8MVW5	HEPACAM2
2862	Heparan sulfate 2-O-sulfotransferase 1	Q7LGA3	HS2ST1
2863	Heparan sulfate glucosamine 3-O-sulfotransferase 1	O14792	HS3ST1
2864	Heparan sulfate glucosamine 3-O-sulfotransferase 3A1	Q9Y663	HS3ST3A1
2865	Heparan sulfate glucosamine 3-O-sulfotransferase 3B1	Q9Y662	HS3ST3B1
2866	Heparan sulfate glucosamine 3-O-sulfotransferase 4	Q9Y661	HS3ST4
2867	Heparan sulfate glucosamine 3-O-sulfotransferase 4	Q9Y661	HS3ST4
2868	Heparan sulfate glucosamine 3-O-sulfotransferase 5	Q8IZT8	HS3ST5
2869	Heparanase	Q9Y251	HPSE

#	Human Target or Analyte	UniProt ID	GeneID
2870	Heparan-sulfate 6-O-sulfotransferase 1	O60243	HS6ST1
2871	Heparan-sulfate 6-O-sulfotransferase 2	Q96MM7	HS6ST2
2872	Heparan-sulfate 6-O-sulfotransferase 3	Q8IZP7	HS6ST3
2873	Heparin cofactor 2	P05546	SERPIND1
2874	Heparin-binding EGF-like growth factor	Q99075	HBEGF
2875	Hepatic leukemia factor	Q16534	HLF
2876	Hepatitis A virus cellular receptor 1	Q96D42	HAVCR1
2877	Hepatitis A virus cellular receptor 2	Q8TDQ0	HAVCR2
2878	Hepatitis A virus cellular receptor 2	Q8TDQ0	HAVCR2
2879	Hepatitis A virus cellular receptor 2	Q8TDQ0	HAVCR2
2880	Hepatocyte cell adhesion molecule	Q14CZ8	HEPACAM
2881	Hepatocyte growth factor	P14210	HGF
2882	Hepatocyte growth factor activator	Q04756	HGFAC
2883	Hepatocyte growth factor activator	Q04756	HGFAC
2884	Hepatocyte growth factor receptor	P08581	MET
2885	Hepatocyte growth factor receptor	P08581	MET
2886	Hepatocyte growth factor-like protein	P26927	MST1
2887	Hepatocyte growth factor-regulated tyrosine kinase substrate	O14964	HGS
2888	Hepatocyte nuclear factor 1-alpha	P20823	HNF1A
2889	Hepatocyte nuclear factor 4-alpha	P41235	HNF4A
2890	Hepatoma-derived growth factor	P51858	HDGF
2891	Hepatoma-derived growth factor	P51858	HDGF
2892	Hepatoma-derived growth factor-like protein 1	Q5TGJ6	HDGFL1
2893	Hepatoma-derived growth factor-related protein 2	Q7Z4V5	HDGFL2
2894	Hepatoma-derived growth factor-related protein 3	Q9Y3E1	HDGFL3
2895	Hepcidin	P81172	HAMP
2896	Hephaestin	Q9BQS7	HEPH
2897	Hephaestin-like protein 1	Q6MZM0	HEPHL1
2898	HERV-H LTR-associating protein 2	Q9UM44	HHLA2
2899	HERV-H LTR-associating protein 3	Q9XRX5	HHLA3
2900	Heterogeneous nuclear ribonucleoprotein A/B	Q99729	HNRNPAB
2901	Heterogeneous nuclear ribonucleoprotein A/B	Q99729	HNRNPAB



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#	Human Target or Analyte	UniProt ID	GeneID
2902	Heterogeneous nuclear ribonucleoprotein A0	Q13151	HNRNPA0
2903	Heterogeneous nuclear ribonucleoprotein A1	P09651	HNRNPA1
2904	Heterogeneous nuclear ribonucleoprotein A1	P09651	HNRNPA1
2905	Heterogeneous nuclear ribonucleoprotein D0	Q14103	HNRNPD
2906	Heterogeneous nuclear ribonucleoprotein D-like	O14979	HNRNPDL
2907	Heterogeneous nuclear ribonucleoprotein F	P52597	HNRNPF
2908	Heterogeneous nuclear ribonucleoprotein H	P31943	HNRNPH1
2909	Heterogeneous nuclear ribonucleoprotein K	P61978	HNRNPK
2910	Heterogeneous nuclear ribonucleoprotein L-like	Q8WVV9	HNRNPLL
2911	Heterogeneous nuclear ribonucleoprotein M	P52272	HNRNPM
2912	Heterogeneous nuclear ribonucleoprotein Q	O60506	SYNCRIP
2913	Heterogeneous nuclear ribonucleoprotein R	O43390	HNRNPR
2914	Heterogeneous nuclear ribonucleoprotein R	O43390	HNRNPR
2915	Heterogeneous nuclear ribonucleoproteins A2/B1	P22626	HNRNPA2B1
2916	Heterogeneous nuclear ribonucleoproteins C1/C2	P07910	HNRNPC
2917	Hexokinase-1	P19367	HK1
2918	Hexokinase-2	P52789	HK2
2919	Hexokinase-3	P52790	HK3
2920	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A	Q13946	PDE7A
2921	High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A	O76083	PDE9A
2922	High affinity immunoglobulin alpha and immunoglobulin mu Fc receptor	Q8WWV6	FCAMR
2923	High affinity immunoglobulin epsilon receptor subunit alpha	P12319	FCER1A
2924	High affinity immunoglobulin gamma Fc receptor I	P12314	FCGR1A
2925	High affinity nerve growth factor receptor	P04629	NTRK1
2926	High mobility group nucleosome-binding domain-containing protein 3	Q15651	HMGN3
2927	High mobility group protein 20A	Q9NP66	HMG20A
2928	High mobility group protein B1	P09429	HMGB1
2929	High mobility group protein B2	P26583	HMGB2
2930	High mobility group protein B2	P26583	HMGB2
2931	High mobility group protein B3	O15347	HMGB3
2932	High mobility group protein HMG-I/HMG-Y	P17096	HMGA1
2933	High mobility group protein HMGI-C	P52926	HMGA2



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#	Human Target or Analyte	UniProt ID	GeneID
2934	Hippocalcin-like protein 1	P37235	HPCAL1
2935	Hippocalcin-like protein 1	P37235	HPCAL1
2936	HIRA-interacting protein 3	Q9BW71	HIRIP3
2937	Histamine N-methyltransferase	P50135	HNMT
2938	Histatin-1	P15515	HTN1
2939	Histatin-3	P15516	HTN3
2940	Histidine triad nucleotide-binding protein 1	P49773	HINT1
2941	Histidine triad nucleotide-binding protein 2, mitochondrial	Q9BX68	HINT2
2942	Histidine-rich glycoprotein	P04196	HRG
2943	Histidyl-tRNA ligase, cytoplasmic	P12081	HARS1
2944	Histo-blood group ABO system transferase	P16442	ABO
2945	Histone acetyltransferase KAT2A	Q92830	KAT2A
2946	Histone acetyltransferase KAT2A	Q92830	KAT2A
2947	Histone acetyltransferase KAT2B	Q92831	KAT2B
2948	Histone acetyltransferase KAT5	Q92993	KAT5
2949	Histone acetyltransferase type B catalytic subunit	O14929	HAT1
2950	Histone acetyltransferase type B catalytic subunit	O14929	HAT1
2951	Histone chaperone ASF1A	Q9Y294	ASF1A
2952	Histone chaperone ASF1B	Q9NVP2	ASF1B
2953	Histone deacetylase 2	Q92769	HDAC2
2954	Histone deacetylase 4	P56524	HDAC4
2955	Histone deacetylase 6	Q9UBN7	HDAC6
2956	Histone deacetylase 8	Q9BY41	HDAC8
2957	Histone deacetylase complex subunit SAP18	O00422	SAP18
2958	Histone deacetylase complex subunit SAP30	O75446	SAP30
2959	Histone deacetylase complex subunit SAP30L	Q9HAJ7	SAP30L
2960	Histone H1.2	P16403	H1-2
2961	Histone H1x	Q92522	H1-10
2962	Histone H2A deubiquitinase MYSM1	Q5VVJ2	MYSM1
2963	Histone H2A type 1	P0C0S8	H2AC11
2964	Histone H2A type 1-A	Q96QV6	H2AC1
2965	Histone H2A type 3	Q7L7L0	H2AW

#	Human Target or Analyte	UniProt ID	GeneID
2966	Histone H2A.z	P0C0S5	H2AZ1
2967	Histone H2B type 1-K	O60814	H2BC12
2968	Histone H2B type 2-E	Q16778	H2BC21
2969	Histone H2B type 2-E	Q16778	H2BC21
2970	Histone H2B type 3-B	Q8N257	H2BU1
2971	Histone H3.1	P68431	H3C1
2972	Histone RNA hairpin-binding protein	Q14493	SLBP
2973	Histone-binding protein RBBP4	Q09028	RBBP4
2974	Histone-lysine N-methyltransferase 2C	Q8NEZ4	KMT2C
2975	Histone-lysine N-methyltransferase 2D	O14686	KMT2D
2976	Histone-lysine N-methyltransferase ASH1L	Q9NR48	ASH1L
2977	Histone-lysine N-methyltransferase EHMT2	Q96KQ7	EHMT2
2978	Histone-lysine N-methyltransferase SETD2	Q9BYW2	SETD2
2979	Histone-lysine N-methyltransferase setd3	Q86TU7	SETD3
2980	Histone-lysine N-methyltransferase SETMAR	Q53H47	SETMAR
2981	Histone-lysine N-methyltransferase SUV420H2	Q86Y97	KMT5C
2982	Histone-lysine N-methyltransferase, H3 lysine-79 specific	Q8TEK3	DOT1L
2983	HLA class I histocompatibility antigen, alpha chain E	P13747	HLA-E
2984	HLA class I histocompatibility antigen, alpha chain G	P17693	HLA-G
2985	HLA class II histocompatibility antigen gamma chain	P04233	CD74
2986	HLA class II histocompatibility antigen gamma chain	P04233	CD74
2987	HLA class II histocompatibility antigen, DQ alpha 2 chain	P01906	HLA-DQA2
2988	HLA class II histocompatibility antigen, DR beta 3 chain	P79483	HLA-DRB3
2989	HLA-C	P10321	HLA-C
2990	Holo-Transcobalamin-2	P20062	TCN2
2991	Homeobox protein CDX-1	P47902	CDX1
2992	Homeobox protein DLX-2	Q07687	DLX2
2993	Homeobox protein DLX-3	O60479	DLX3
2994	Homeobox protein DLX-4	Q92988	DLX4
2995	Homeobox protein goosecoid-2	O15499	GSC2
2996	Homeobox protein HMX2	A2RU54	HMX2
2997	Homeobox protein HMX3	A6NHT5	HMX3



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2998	Homeobox protein Hox-A11	P31270	HOXA11
2999	Homeobox protein Hox-A5	P20719	HOXA5
3000	Homeobox protein Hox-C11	O43248	HOXC11
3001	Homeobox protein Hox-D4	P09016	HOXD4
3002	Homeobox protein Meis2	O14770	MEIS2
3003	Homeobox protein Mohawk	Q8IYA7	MKX
3004	Homeobox protein MOX-1	P50221	MEOX1
3005	Homeobox protein MOX-2	P50222	MEOX2
3006	Homeobox protein MOX-2	P50222	MEOX2
3007	Homeobox protein NANOG	Q9H9S0	NANOG
3008	Homeobox protein OTX1	P32242	OTX1
3009	Homeobox protein OTX2	P32243	OTX2
3010	Homeobox protein SIX6	O95475	SIX6
3011	Homeobox protein TGIF2	Q9GZN2	TGIF2
3012	Homeobox protein TGIF2LX	Q8IUE1	TGIF2LX
3013	Homeobox protein TGIF2LY	Q8IUE0	TGIF2LY
3014	Homeodomain-interacting protein kinase 3	Q9H422	HIPK3
3015	Homeodomain-only protein	Q9BPY8	HOPX
3016	Homer protein homolog 1	Q86YM7	HOMER1
3017	Homer protein homolog 1	Q86YM7	HOMER1
3018	Homer protein homolog 2	Q9NSB8	HOMER2
3019	Homer protein homolog 3	Q9NSC5	HOMER3
3020	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein	Q9BSE4	HERPUD2
3021	Homogentisate 1,2-dioxygenase	Q93099	HGD
3022	Homologous-pairing protein 2 homolog	Q9P2W1	PSMC3IP
3023	HORMA domain-containing protein 2	Q8N7B1	HORMAD2
3024	HRAS-like suppressor 2	Q9NWW9	PLAAT2
3025	HRAS-like suppressor 3	P53816	PLAAT3
3026	Hsc70-interacting protein	P50502	ST13
3027	Hsp70-binding protein 1	Q9NZL4	HSPBP1
3028	Hsp90 co-chaperone Cdc37	Q16543	CDC37
3029	Hsp90alpha	P07900	HSP90AA1



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3030	Human Chorionic Gonadotropin	P01215 P0D-N86 P0DN87	CGA CGB3 CGB7
3031	Huntingtin-interacting protein 1-related protein	O75146	HIP1R
3032	Huntingtin-interacting protein K	Q9NX55	HYPK
3033	Hyaluronan and proteoglycan link protein 1	P10915	HAPLN1
3034	Hyaluronan and proteoglycan link protein 4	Q86UW8	HAPLN4
3035	Hyaluronidase-1	Q12794	HYAL1
3036	Hyaluronidase-4	Q2M3T9	HYAL4
3037	Hydroxyacid oxidase 1	Q9UJM8	HAO1
3038	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	Q16836	HADH
3039	Hydroxyacylglutathione hydrolase, mitochondrial	Q16775	HAGH
3040	Hydroxyacylglutathione hydrolase-like protein	Q6PII5	HAGHL
3041	Hydroxycarboxylic acid receptor 2	Q8TDS4	HCAR2
3042	Hydroxylsine kinase	A2RU49	HYKK
3043	Hydroxymethylglutaryl-CoA lyase, mitochondrial	P35914	HMGCL
3044	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	Q01581	HMGCS1
3045	Hydroxymethylglutaryl-CoA synthase, mitochondrial	P54868	HMGCS2
3046	Hydroxysteroid dehydrogenase-like protein 2	Q6YN16	HSDL2
3047	Hypoxanthine-guanine phosphoribosyltransferase	P00492	HPRT1
3048	Hypoxia up-regulated protein 1	Q9Y4L1	HYOU1
3049	Hypoxia-inducible factor 1-alpha	Q16665	HIF1A
3050	Hypoxia-inducible factor 1-alpha inhibitor	Q9NWT6	HIF1AN
3051	ICOS ligand	O75144	ICOSLG
3052	ICOS ligand	O75144	ICOSLG
3053	Iduronate 2-sulfatase	P22304	IDS
3054	Ig gamma-2, Kappa	P01859	IGHG2
3055	Ig gamma-4, Kappa	P01861	IGHG4
3056	Ig Kappa chain V-I region HK102-like	P01602	IGKV1-5
3057	IGF-like family receptor 1	Q9H665	IGFLR1
3058	IgG receptor FcRn large subunit p51	P55899	FCGRT
3059	IgGFc-binding protein	Q9Y6R7	FCGBP
3060	IgLON family member 5	A6NGN9	IGLON5
3061	I-kappa-B kinase gamma	Q9Y6K9	IKBKG



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3062	I-kappa-B-epsilon	O00221	NFKBIE
3063	IL-17/IL-17F	Q16552 Q96PD4	IL17A IL17F
3064	IL-6/IL-6 sRa Complex	P05231 P08887	IL6 IL6R
3065	Immediate early response gene 2 protein	Q9BTL4	IER2
3066	Immunoglobulin A	P01876 P01877	IGHA1 IGHA2
3067	Immunoglobulin alpha Fc receptor	P24071	FCAR
3068	Immunoglobulin D	P01880	IGHD
3069	Immunoglobulin E	P01854	IGHE
3070	Immunoglobulin G	P01857	IGHG1
3071	Immunoglobulin J chain	P01591	JCHAIN
3072	Immunoglobulin lambda-like polypeptide 1	P15814	IGLL1
3073	Immunoglobulin M	P01871	IGHM
3074	Immunoglobulin superfamily containing leucine-rich repeat protein 2	Q6UXK2	ISLR2
3075	Immunoglobulin superfamily containing leucine-rich repeat protein 2	Q6UXK2	ISLR2
3076	Immunoglobulin superfamily DCC subclass member 3:Cytoplasmic domain	Q8IVU1	IGDCC3
3077	Immunoglobulin superfamily DCC subclass member 3:Extracellular domain	Q8IVU1	IGDCC3
3078	Immunoglobulin superfamily DCC subclass member 4	Q8TDY8	IGDCC4
3079	Immunoglobulin superfamily member 11:Cytoplasmic domain	Q5DX21	IGSF11
3080	Immunoglobulin superfamily member 11:Extracellular domain	Q5DX21	IGSF11
3081	Immunoglobulin superfamily member 3	O75054	IGSF3
3082	Immunoglobulin superfamily member 8	Q969P0	IGSF8
3083	Immunoglobulin-binding protein 1	P78318	IGBP1
3084	Importin subunit alpha-1	P52292	KPNA2
3085	Importin subunit alpha-3	O00629	KPNA4
3086	Importin subunit alpha-5	P52294	KPNA1
3087	Importin subunit alpha-6	O15131	KPNA5
3088	Importin subunit alpha-7	O60684	KPNA6
3089	Importin subunit beta-1	Q14974	KPNB1
3090	Inactive dipeptidyl peptidase 10	Q8N608	DPP10
3091	Inactive gamma-glutamyltranspeptidase 2	P36268	GGT2
3092	Inactive pancreatic lipase-related protein 1	P54315	PNLIPRP1
3093	Inactive peptidyl-prolyl cis-trans isomerase FKBP6	O75344	FKBP6



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3094	Inactive phospholipase D5	Q8N7P1	PLD5
3095	Inactive ribonuclease-like protein 10	Q5GAN6	RNASE10
3096	Inactive serine protease 35	Q8N3Z0	PRSS35
3097	Inactive tyrosine-protein kinase 7	Q13308	PTK7
3098	Inactive tyrosine-protein kinase transmembrane receptor ROR1	Q01973	ROR1
3099	Inactive tyrosine-protein kinase transmembrane receptor ROR1	Q01973	ROR1
3100	Indian hedgehog protein	Q14623	IHH
3101	Indoleamine 2,3-dioxygenase 1	P14902	IDO1
3102	Induced myeloid leukemia cell differentiation protein Mcl-1	Q07820	MCL1
3103	Induced myeloid leukemia cell differentiation protein Mcl-1	Q07820	MCL1
3104	inhibin A	P05111 P08476	INHA INHBA
3105	Inhibin a subunit	P05111	INHA
3106	Inhibin beta A chain	P08476	INHBA
3107	Inhibin beta A chain:Inhibin beta B chain heterodimer	P08476 P09529	INHBA INHBB
3108	Inhibin beta A chain:Inhibin beta B chain heterodimer	P08476 P09529	INHBA INHBB
3109	Inhibin beta A chain:Inhibin beta C chain heterodimer	P08476 P55103	INHBA INHBC
3110	Inhibin beta B chain	P09529	INHBB
3111	Inhibin beta C chain	P55103	INHBC
3112	Inhibin beta C chain	P55103	INHBC
3113	Inhibitor of growth protein 1	Q9UK53	ING1
3114	Inhibitor of growth protein 4	Q9UNL4	ING4
3115	Inhibitor of nuclear factor kappa B kinase beta subunit	O14920	IKBKB
3116	Inorganic pyrophosphatase	Q15181	PPA1
3117	Inorganic pyrophosphatase 2, mitochondrial	Q9H2U2	PPA2
3118	Inosine triphosphate pyrophosphatase	Q9BY32	ITPA
3119	Inosine-5'-monophosphate dehydrogenase 1	P20839	IMPDH1
3120	Inosine-5'-monophosphate dehydrogenase 2	P12268	IMPDH2
3121	Inositol 1,4,5-trisphosphate receptor-interacting protein-like 1	Q6GPH6	ITPRIPL1
3122	Inositol hexakisphosphate kinase 1	Q92551	IP6K1
3123	Inositol hexakisphosphate kinase 2	Q9UHH9	IP6K2
3124	Inositol monophosphatase 1	P29218	IMPA1
3125	Inositol monophosphatase 2	O14732	IMPA2



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3126	Inositol monophosphatase 3	Q9NX62	BPNT2
3127	Inositol oxygenase	Q9UGB7	MIOX
3128	Inositol polyphosphate 5-phosphatase OCRL-1	Q01968	OCRL
3129	Inositol-tetrakisphosphate 1-kinase	Q13572	ITPK1
3130	Inositol-trisphosphate 3-kinase A	P23677	ITPKA
3131	Inositol-trisphosphate 3-kinase C	Q96DU7	ITPKC
3132	Insulin	P01308	INS
3133	Insulin gene enhancer protein ISL-1	P61371	ISL1
3134	Insulin growth factor-like family member 3	Q6UXB1	IGFL3
3135	Insulin receptor	P06213	INSR
3136	Insulin receptor-related protein	P14616	INSRR
3137	Insulin-degrading enzyme	P14735	IDE
3138	Insulin-induced gene 1 protein	O15503	INSIG1
3139	Insulin-like 3	P51460	INSL3
3140	Insulin-like growth factor 1 receptor	P08069	IGF1R
3141	Insulin-like growth factor I	P05019	IGF1
3142	Insulin-like growth factor I	P05019	IGF1
3143	Insulin-like growth factor II:Isoform 3, Pro-form	P01344	IGF2
3144	Insulin-like growth factor II:Mature	P01344	IGF2
3145	Insulin-like growth factor-binding protein 1	P08833	IGFBP1
3146	Insulin-like growth factor-binding protein 1	P08833	IGFBP1
3147	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3148	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3149	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3150	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3151	Insulin-like growth factor-binding protein 3	P17936	IGFBP3
3152	Insulin-like growth factor-binding protein 4	P22692	IGFBP4
3153	Insulin-like growth factor-binding protein 5	P24593	IGFBP5
3154	Insulin-like growth factor-binding protein 5	P24593	IGFBP5
3155	Insulin-like growth factor-binding protein 6	P24592	IGFBP6
3156	Insulin-like growth factor-binding protein 6	P24592	IGFBP6
3157	Insulin-like growth factor-binding protein 7	Q16270	IGFBP7



#	Human Target or Analyte	UniProt ID	GeneID
3158	Insulin-like growth factor-binding protein complex acid labile subunit	P35858	IGFALS
3159	Insulin-like growth factor-binding protein-like 1	Q8WX77	IGFBPL1
3160	Insulin-like peptide INSL5	Q9Y5Q6	INSL5
3161	Insulin-like peptide INSL6	Q9Y581	INSL6
3162	Integral membrane protein 2A	O43736	ITM2A
3163	Integral membrane protein 2B	Q9Y287	ITM2B
3164	Integral membrane protein 2C:C-term	Q9NQX7	ITM2C
3165	Integral membrane protein 2C:N-term	Q9NQX7	ITM2C
3166	Integral membrane protein DGCR2/IDD	P98153	DGCR2
3167	Integrator complex subunit 3	Q68E01	INTS3
3168	Integrin α1β1	Q9UKX5 P05556	ITGA11 ITGB1
3169	Integrin α3β1	P26006 P05556	ITGA3 ITGB1
3170	Integrin α5β1	P08648 P05556	ITGA5 ITGB1
3171	Integrin α5β1	P08648 P05556	ITGA5 ITGB1
3172	Integrin α-L βeta 2	P20701 P05107	ITGAL ITGB2
3173	Integrin α-V βeta 3	P06756 P05106	ITGAV ITGB3
3174	Integrin α-V βeta 6	P06756 P18564	ITGAV ITGB6
3175	Integrin α-V βeta 6	P06756 P18564	ITGAV ITGB6
3176	Integrin α-V βeta 8	P06756 P26012	ITGAV ITGB8
3177	Integrin α-11	Q9UKX5	ITGA11
3178	Integrin α-2	P17301	ITGA2
3179	Integrin α-2/b1	P17301 P05556	ITGA2 ITGB1
3180	Integrin α-5	P08648	ITGA5
3181	Integrin α-6	P23229	ITGA6
3182	Integrin α-6	P23229	ITGA6
3183	Integrin α-L: βeta-1 complex	P56199 P05556	ITGA1 ITGB1
3184	Integrin α-IIb: βeta-3 complex	P08514 P05106	ITGA2B ITGB3
3185	Integrin α-IIb: βeta-3 complex	P08514 P05106	ITGA2B ITGB3
3186	Integrin α-IIb: βeta-3 complex	P08514 P05106	ITGA2B ITGB3
3187	Integrin α-L	P20701	ITGAL
3188	Integrin α-M	P11215	ITGAM
3189	Integrin α-V: βeta-1 complex	P06756 P05556	ITGAV ITGB1

#	Human Target or Analyte	UniProt ID	GeneID
3190	Integrin alpha-V:beta-5 complex	P06756 P18084	ITGAV ITGB5
3191	Integrin beta-1-binding protein 2	Q9UKP3	ITGB1BP2
3192	Integrin beta-2	P05107	ITGB2
3193	Integrin beta-5	P18084	ITGB5
3194	Integrin beta-6	P18564	ITGB6
3195	Integrin beta-7	P26010	ITGB7
3196	Integrin-linked kinase-associated serine/threonine phosphatase 2C	Q9H0C8	ILKAP
3197	Integrin-linked protein kinase	Q13418	ILK
3198	Intelectin-1	Q8WWA0	ITLN1
3199	Inter-alpha-trypsin inhibitor heavy chain H1	P19827	ITIH1
3200	Inter-alpha-trypsin inhibitor heavy chain H2	P19823	ITIH2
3201	Inter-alpha-trypsin inhibitor heavy chain H3	Q06033	ITIH3
3202	Inter-alpha-trypsin inhibitor heavy chain H4	Q14624	ITIH4
3203	Inter-alpha-trypsin inhibitor heavy chain H5	Q86UX2	ITIH5
3204	Intercellular adhesion molecule 1	P05362	ICAM1
3205	Intercellular adhesion molecule 2	P13598	ICAM2
3206	Intercellular adhesion molecule 2	P13598	ICAM2
3207	Intercellular adhesion molecule 3	P32942	ICAM3
3208	Intercellular adhesion molecule 4	Q14773	ICAM4
3209	Intercellular adhesion molecule 4	Q14773	ICAM4
3210	Intercellular adhesion molecule 5	Q9UMFO	ICAM5
3211	Intercellular adhesion molecule 5	Q9UMFO	ICAM5
3212	Intercellular adhesion molecule 5	Q9UMFO	ICAM5
3213	Interferon alpha/beta receptor 1	P17181	IFNAR1
3214	Interferon alpha/beta receptor 1	P17181	IFNAR1
3215	Interferon alpha-1/13	P01562	IFNA1
3216	Interferon alpha-10	P01566	IFNA10
3217	Interferon alpha-10	P01566	IFNA10
3218	Interferon alpha-14	P01570	IFNA14
3219	Interferon alpha-16	P05015	IFNA16
3220	Interferon alpha-2	P01563	IFNA2
3221	Interferon alpha-21	P01568	IFNA21

#	Human Target or Analyte	UniProt ID	GeneID
3222	Interferon alpha-4	P05014	IFNA4
3223	Interferon alpha-4	P05014	IFNA4
3224	Interferon alpha-5	P01569	IFNA5
3225	Interferon alpha-6	P05013	IFNA6
3226	Interferon alpha-7	P01567	IFNA7
3227	Interferon alpha-8	P32881	IFNA8
3228	Interferon beta	P01574	IFNB1
3229	Interferon beta	P01574	IFNB1
3230	Interferon epsilon-1	Q86WN2	IFNE
3231	Interferon gamma	P01579	IFNG
3232	Interferon gamma	P01579	IFNG
3233	Interferon gamma receptor 1	P15260	IFNKR1
3234	Interferon gamma receptor 2:Cytoplasmic domain	P38484	IFNKR2
3235	Interferon gamma receptor 2:Extracellular domain	P38484	IFNKR2
3236	Interferon gamma receptor 2:Extracellular domain	P38484	IFNKR2
3237	Interferon lambda receptor 1	Q8IU57	IFNLR1
3238	Interferon lambda-1	Q8IU54	IFNL1
3239	Interferon lambda-1	Q8IU54	IFNL1
3240	Interferon lambda-2	Q8IZJ0	IFNL2
3241	Interferon lambda-3	Q8IZI9	IFNL3
3242	Interferon lambda-4	K9M1U5	None
3243	Interferon omega-1	P05000	IFNW1
3244	Interferon regulatory factor 1	P10914	IRF1
3245	Interferon regulatory factor 1	P10914	IRF1
3246	Interferon regulatory factor 2	P14316	IRF2
3247	Interferon regulatory factor 3	Q14653	IRF3
3248	Interferon regulatory factor 4	Q15306	IRF4
3249	Interferon regulatory factor 4	Q15306	IRF4
3250	Interferon regulatory factor 5	Q13568	IRF5
3251	Interferon regulatory factor 6	O14896	IRF6
3252	Interferon regulatory factor 8	Q02556	IRF8
3253	Interferon regulatory factor 9	Q00978	IRF9



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SomaScan v4.1 Protein List

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#	Human Target or Analyte	UniProt ID	GeneID
3254	Interferon-induced GTP-binding protein Mx1	P20591	MX1
3255	Interferon-induced helicase C domain-containing protein 1	Q9BYX4	IFIH1
3256	Interferon-induced protein with tetratricopeptide repeats 2	P09913	IFIT2
3257	Interferon-induced protein with tetratricopeptide repeats 3	O14879	IFIT3
3258	Interferon-inducible double-stranded RNA-dependent protein kinase activator A	O75569	PRKRA
3259	Interferon-related developmental regulator 1	O00458	IFRD1
3260	Interleukin enhancer-binding factor 2	Q12905	ILF2
3261	Interleukin enhancer-binding factor 3	Q12906	ILF3
3262	Interleukin-1 alpha	P01583	IL1A
3263	Interleukin-1 beta	P01584	IL1B
3264	Interleukin-1 family member 10	Q8WWZ1	IL1F10
3265	Interleukin-1 Receptor accessory protein	Q9NPH3	IL1RAP
3266	Interleukin-1 Receptor accessory protein	Q9NPH3	IL1RAP
3267	Interleukin-1 receptor accessory protein-like 1	Q9NZN1	IL1RAPL1
3268	Interleukin-1 receptor antagonist protein	P18510	IL1RN
3269	Interleukin-1 receptor type 1	P14778	IL1R1
3270	Interleukin-1 receptor type 2	P27930	IL1R2
3271	Interleukin-1 receptor type 2	P27930	IL1R2
3272	Interleukin-1 receptor-associated kinase 4	Q9NWZ3	IRAK4
3273	Interleukin-1 receptor-like 1	Q01638	IL1RL1
3274	Interleukin-1 receptor-like 2	Q9HB29	IL1RL2
3275	Interleukin-10	P22301	IL10
3276	Interleukin-10	P22301	IL10
3277	Interleukin-10 receptor subunit alpha	Q13651	IL10RA
3278	Interleukin-10 receptor subunit alpha:Cytoplasmic domain	Q13651	IL10RA
3279	Interleukin-10 receptor subunit alpha:Extracellular domain	Q13651	IL10RA
3280	Interleukin-10 receptor subunit beta	Q08334	IL10RB
3281	Interleukin-11	P20809	IL11
3282	Interleukin-11 receptor subunit alpha	Q14626	IL11RA
3283	Interleukin-11 receptor subunit alpha	Q14626	IL11RA
3284	Interleukin-12	P29459 P29460	IL12A IL12B
3285	Interleukin-12 receptor subunit beta-1	P42701	IL12RB1



#	Human Target or Analyte	UniProt ID	GeneID
3286	Interleukin-12 receptor subunit beta-1	P42701	IL12RB1
3287	Interleukin-12 receptor subunit beta-2	Q99665	IL12RB2
3288	Interleukin-12 subunit beta	P29460	IL12B
3289	Interleukin-13	P35225	IL13
3290	Interleukin-13	P35225	IL13
3291	Interleukin-13 receptor subunit alpha-1	P78552	IL13RA1
3292	Interleukin-15	P40933	IL15
3293	Interleukin-15 receptor subunit alpha	Q13261	IL15RA
3294	Interleukin-15 receptor subunit alpha	Q13261	IL15RA
3295	Interleukin-16	Q14005	IL16
3296	Interleukin-17 receptor A	Q96F46	IL17RA
3297	Interleukin-17 receptor B	Q9NRM6	IL17RB
3298	Interleukin-17 receptor B	Q9NRM6	IL17RB
3299	Interleukin-17 receptor C	Q8NAC3	IL17RC
3300	Interleukin-17 receptor D	Q8NFM7	IL17RD
3301	Interleukin-17 receptor E	Q8NFR9	IL17RE
3302	Interleukin-17A	Q16552	IL17A
3303	Interleukin-17A	Q16552	IL17A
3304	Interleukin-17B	Q9UHF5	IL17B
3305	Interleukin-17B	Q9UHF5	IL17B
3306	Interleukin-17C	Q9P0M4	IL17C
3307	Interleukin-17D	Q8TAD2	IL17D
3308	Interleukin-17F	Q96PD4	IL17F
3309	Interleukin-17F	Q96PD4	IL17F
3310	Interleukin-18	Q14116	IL18
3311	Interleukin-18 receptor 1	Q13478	IL18R1
3312	Interleukin-18 receptor 1	Q13478	IL18R1
3313	Interleukin-18 receptor accessory protein	O95256	IL18RAP
3314	Interleukin-18 receptor accessory protein	O95256	IL18RAP
3315	Interleukin-18-binding protein	O95998	IL18BP
3316	Interleukin-19	Q9UHD0	IL19
3317	Interleukin-2	P60568	IL2



#	Human Target or Analyte	UniProt ID	GeneID
3318	Interleukin-2 receptor subunit alpha	P01589	IL2RA
3319	Interleukin-2 receptor subunit beta	P14784	IL2RB
3320	Interleukin-20	Q9NYY1	IL20
3321	Interleukin-20 receptor subunit alpha	Q9UHF4	IL20RA
3322	Interleukin-20 receptor subunit beta	Q6UXL0	IL20RB
3323	Interleukin-21	Q9HBE4	IL21
3324	Interleukin-21 receptor	Q9HBE5	IL21R
3325	Interleukin-22	Q9GZX6	IL22
3326	Interleukin-22	Q9GZX6	IL22
3327	Interleukin-22 receptor subunit alpha-1	Q8N6P7	IL22RA1
3328	Interleukin-22 receptor subunit alpha-1	Q8N6P7	IL22RA1
3329	Interleukin-22 receptor subunit alpha-2	Q969J5	IL22RA2
3330	Interleukin-22 receptor subunit alpha-2	Q969J5	IL22RA2
3331	Interleukin-23	P29460 Q9NPF7	IL12B IL23A
3332	Interleukin-23 receptor	Q5VWK5	IL23R
3333	Interleukin-24	Q13007	IL24
3334	Interleukin-25	Q9H293	IL25
3335	Interleukin-26	Q9NPH9	IL26
3336	Interleukin-27	Q8NEV9 Q14213	IL27 EBI3
3337	Interleukin-27 receptor subunit alpha	Q6UWB1	IL27RA
3338	Interleukin-27 subunit beta	Q14213	EBI3
3339	Interleukin-3	P08700	IL3
3340	Interleukin-3 receptor subunit alpha	P26951	IL3RA
3341	Interleukin-31	Q6EBC2	IL31
3342	Interleukin-31 receptor subunit alpha	Q8NI17	IL31RA
3343	Interleukin-32	P24001	IL32
3344	Interleukin-34	Q6ZMJ4	IL34
3345	Interleukin-35	P29459 Q14213	IL12A EBI3
3346	Interleukin-36 alpha	Q9UHA7	IL36A
3347	Interleukin-36 beta	Q9NZH7	IL36B
3348	Interleukin-36 gamma	Q9NZH8	IL36G
3349	Interleukin-36 receptor antagonist protein	Q9UBH0	IL36RN



#	Human Target or Analyte	UniProt ID	GeneID
3350	Interleukin-37	Q9NZH6	IL37
3351	Interleukin-4	P05112	IL4
3352	Interleukin-4	P05112	IL4
3353	Interleukin-4 receptor subunit alpha	P24394	IL4R
3354	Interleukin-5	P05113	IL5
3355	Interleukin-5	P05113	IL5
3356	Interleukin-5 receptor subunit alpha	Q01344	IL5RA
3357	Interleukin-5 receptor subunit alpha	Q01344	IL5RA
3358	Interleukin-6	P05231	IL6
3359	Interleukin-6	P05231	IL6
3360	Interleukin-6 receptor subunit alpha	P08887	IL6R
3361	Interleukin-6 receptor subunit alpha	P08887	IL6R
3362	Interleukin-6 receptor subunit alpha	P08887	IL6R
3363	Interleukin-6 receptor subunit beta	P40189	IL6ST
3364	Interleukin-7	P13232	IL7
3365	Interleukin-7	P13232	IL7
3366	Interleukin-7 receptor subunit alpha	P16871	IL7R
3367	Interleukin-8	P10145	CXCL8
3368	Interleukin-9	P15248	IL9
3369	Intersectin-1	Q15811	ITSN1
3370	Interstitial collagenase	P03956	MMP1
3371	Intestinal-type alkaline phosphatase	P09923	ALPI
3372	Intestinal-type alkaline phosphatase	P09923	ALPI
3373	Intracellular hyaluronan-binding protein 4	Q5JVS0	HABP4
3374	Intraflagellar transport protein 20 homolog	Q8IY31	IFT20
3375	Intraflagellar transport protein 22 homolog	Q9H7X7	IFT22
3376	IQ domain-containing protein D	Q96DY2	IQCD
3377	IQ domain-containing protein F1	Q8N6M8	IQCF1
3378	IQ domain-containing protein F3	P0C7M6	IQCF3
3379	Iron/zinc purple acid phosphatase-like protein	Q6ZNF0	ACP7
3380	Iron-sulfur cluster assembly enzyme ISCU, mitochondrial	Q9H1K1	ISCU
3381	Iron-sulfur cluster co-chaperone protein HscB, mitochondrial	Q8IWL3	HSCB

#	Human Target or Analyte	UniProt ID	GeneID
3382	Islet amyloid polypeptide	P10997	IAPP
3383	Islet cell autoantigen 1	Q05084	ICA1
3384	Isoaspartyl peptidase/L-asparaginase	Q7L266	ASRGL1
3385	Isobutyryl-CoA dehydrogenase, mitochondrial	Q9UKU7	ACAD8
3386	Isochorismatase domain-containing protein 1	Q96CN7	ISOC1
3387	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial	P51553	IDH3G
3388	Isocitrate dehydrogenase [NADP] cytoplasmic	O75874	IDH1
3389	Isoform L-VEGF165	P15692	VEGFA
3390	Isoleucine-tRNA ligase, cytoplasmic	P41252	IARS1
3391	Isopentenyl-diphosphate Delta-isomerase 1	Q13907	IDI1
3392	Isopentenyl-diphosphate delta-isomerase 2	Q9BXS1	IDI2
3393	Isovaleryl-CoA dehydrogenase, mitochondrial	P26440	IVD
3394	IST1 homolog	P53990	IST1
3395	Isthmin-1	B1AKI9	None
3396	Izumo sperm-egg fusion protein 1	Q8IYV9	IZUMO1
3397	Izumo sperm-egg fusion protein 4	Q1ZYL8	IZUMO4
3398	Janus kinase and microtubule-interacting protein 3	Q5VZ66	JAKMIP3
3399	Josephin-1	Q15040	JOSD1
3400	Jun dimerization protein 2	Q8WYK2	JDP2
3401	Junction plakoglobin	P14923	JUP
3402	Junction plakoglobin	P14923	JUP
3403	Junctional adhesion molecule A	Q9Y624	F11R
3404	Junctional adhesion molecule B	P57087	JAM2
3405	Junctional adhesion molecule C	Q9BX67	JAM3
3406	Junctional adhesion molecule-like	Q86YT9	JAML
3407	Junctional adhesion molecule-like	Q86YT9	JAML
3408	Junctophilin-1	Q9HDC5	JPH1
3409	Junctophilin-3	Q8WXH2	JPH3
3410	Junctophilin-4	Q96JJ6	JPH4
3411	Kallikrein 2	P20151	KLK2
3412	Kallikrein-10	O43240	KLK10
3413	Kallikrein-11	Q9UBX7	KLK11

#	Human Target or Analyte	UniProt ID	GeneID
3414	Kallikrein-11	Q9UBX7	KLK11
3415	Kallikrein-12	Q9UKR0	KLK12
3416	Kallikrein-13	Q9UKR3	KLK13
3417	Kallikrein-13	Q9UKR3	KLK13
3418	Kallikrein-14	Q9P0G3	KLK14
3419	Kallikrein-14	Q9P0G3	KLK14
3420	Kallikrein-14	Q9P0G3	KLK14
3421	Kallikrein-15	Q9H2R5	KLK15
3422	Kallikrein-4	Q9Y5K2	KLK4
3423	Kallikrein-5	Q9Y337	KLK5
3424	Kallikrein-5	Q9Y337	KLK5
3425	Kallikrein-6	Q92876	KLK6
3426	Kallikrein-7	P49862	KLK7
3427	Kallikrein-8	O60259	KLK8
3428	Kallikrein-8	O60259	KLK8
3429	Kallikrein-9	Q9UKQ9	KLK9
3430	Kallistatin	P29622	SERPINA4
3431	Kallistatin	P29622	SERPINA4
3432	Katanin p60 ATPase-containing subunit A-like 1	Q9BW62	KATNAL1
3433	Kazal-type serine protease inhibitor domain-containing protein 1	Q96I82	KAZALD1
3434	KDEL motif-containing protein 1	Q6UW63	POGLUT2
3435	KDEL motif-containing protein 2	Q7Z4H8	POGLUT3
3436	Kelch repeat and BTB domain-containing protein 11	O94819	KBTBD11
3437	Kelch-like ECH-associated protein 1	Q14145	KEAP1
3438	Kelch-like ECH-associated protein 1	Q14145	KEAP1
3439	Kelch-like protein 12	Q53G59	KLHL12
3440	Kelch-like protein 13	Q9P2N7	KLHL13
3441	Kelch-like protein 14	Q9P2G3	KLHL14
3442	Kelch-like protein 2	O95198	KLHL2
3443	Kelch-like protein 3	Q9UH77	KLHL3
3444	Kelch-like protein 40	Q2TBA0	KLHL40
3445	Kelch-like protein 41	O60662	KLHL41



#	Human Target or Analyte	UniProt ID	GeneID
3446	Kelch-like protein 7	Q8IXQ5	KLHL7
3447	Kell blood group glycoprotein	P23276	KEL
3448	Keratin 34	O76011	KRT34
3449	Keratin, type I cytoskeletal 14	P02533	KRT14
3450	Keratin, type I cytoskeletal 16	P08779	KRT16
3451	Keratin, type I cytoskeletal 17	Q04695	KRT17
3452	Keratin, type I cytoskeletal 18	P05783	KRT18
3453	Keratin, type I cytoskeletal 19	P08727	KRT19
3454	Keratin, type I cytoskeletal 20	P35900	KRT20
3455	Keratin, type II cytoskeletal 1	P04264	KRT1
3456	Keratin, type II cytoskeletal 5	P13647	KRT5
3457	Keratin, type II cytoskeletal 6A	P02538	KRT6A
3458	Keratin, type II cytoskeletal 7	P08729	KRT7
3459	Keratin, type II cytoskeletal 71	Q3SY84	KRT71
3460	Keratin, type II cytoskeletal 72	Q14CN4	KRT72
3461	Keratin-associated protein 2-4	Q9BYR9	KRTAP2-4
3462	Keratinocyte differentiation factor 1	Q8NAX2	KDF1
3463	Keratinocyte differentiation-associated protein	P60985	KRTDAP
3464	Keratocan	O60938	KERA
3465	Ketohexokinase	P50053	KHK
3466	KH domain-containing, RNA-binding, signal transduction-associated protein 2	Q5VWX1	KHDRBS2
3467	Kidney-associated antigen 1	Q9UBP8	KAAG1
3468	KIF1-binding protein	Q96EK5	KIFBP
3469	Killer cell immunoglobulin-like receptor 2DL1	P43626	KIR2DL1
3470	Killer cell immunoglobulin-like receptor 2DL2	P43627	KIR2DL2
3471	Killer cell immunoglobulin-like receptor 2DL3	P43628	KIR2DL3
3472	Killer cell immunoglobulin-like receptor 2DL4	Q99706	KIR2DL4
3473	Killer cell immunoglobulin-like receptor 2DL4	Q99706	KIR2DL4
3474	Killer cell immunoglobulin-like receptor 2DL5A	Q8N109	KIR2DL5A
3475	Killer cell immunoglobulin-like receptor 2DL5A	Q8N109	KIR2DL5A
3476	Killer cell immunoglobulin-like receptor 2DS2	P43631	KIR2DS2
3477	Killer cell immunoglobulin-like receptor 2DS4	P43632	KIR2DS4

#	Human Target or Analyte	UniProt ID	GeneID
3478	Killer cell immunoglobulin-like receptor 3DL1	P43629	KIR3DL1
3479	Killer cell immunoglobulin-like receptor 3DL2	P43630	KIR3DL2
3480	Killer cell immunoglobulin-like receptor 3DL3:Cytoplasmic domain	Q8N743	KIR3DL3
3481	Killer cell immunoglobulin-like receptor 3DL3:Extracellular domain	Q8N743	KIR3DL3
3482	Killer cell immunoglobulin-like receptor 3DS1	Q14943	KIR3DS1
3483	Killer cell lectin-like receptor subfamily B member 1	Q12918	KLRB1
3484	Killer cell lectin-like receptor subfamily B member 1	Q12918	KLRB1
3485	Killer cell lectin-like receptor subfamily F member 1	Q9NZS2	KLRF1
3486	Killer cell lectin-like receptor subfamily F member 1	Q9NZS2	KLRF1
3487	Killer cell lectin-like receptor subfamily G member 2:C-term	A4D1S0	KLRG2
3488	Killer cell lectin-like receptor subfamily G member 2:N-term	A4D1S0	KLRG2
3489	Kin of IRRE-like protein 1	Q96J84	KIRREL1
3490	Kin of IRRE-like protein 2	Q6UWL6	KIRREL2
3491	Kin of IRRE-like protein 2	Q6UWL6	KIRREL2
3492	Kin of IRRE-like protein 3	Q8IZU9	KIRREL3
3493	Kinesin light chain 1	Q07866	KLC1
3494	Kinesin light chain 3	Q6P597	KLC3
3495	Kinesin-like protein KIF16B	Q96L93	KIF16B
3496	Kinesin-like protein KIF1C	O43896	KIF1C
3497	Kinesin-like protein KIF22	Q14807	KIF22
3498	Kinesin-like protein KIF23	Q02241	KIF23
3499	Kinesin-like protein KIF3A	Q9Y496	KIF3A
3500	Kinesin-like protein KIF3B	O15066	KIF3B
3501	Kinesin-like protein KIF3C	O14782	KIF3C
3502	Kinetochore protein NDC80 homolog	O14777	NDC80
3503	Kinetochore protein Spc25	Q9HBM1	SPC25
3504	Kinetochore-associated protein NSL1 homolog	Q96IY1	NSL1
3505	Kininogen, HMW, Two Chain	P01042	KNG1
3506	Kininogen-1	P01042	KNG1
3507	Kininogen-1	P01042	KNG1
3508	Kininostatin	P01042	KNG1
3509	Kit ligand	P21583	KITLG

#	Human Target or Analyte	UniProt ID	GeneID
3510	Kita-kyushu lung cancer antigen 1	Q5H943	CT83
3511	Klotho	Q9UEF7	KL
3512	Kremen protein 1	Q96MU8	KREMEN1
3513	Kremen protein 1	Q96MU8	KREMEN1
3514	Kremen protein 2	Q8NCW0	KREMEN2
3515	Krueppel-like factor 4	O43474	KLF4
3516	Krueppel-like factor 9	Q13886	KLF9
3517	Kunitz-type protease inhibitor 1	O43278	SPINT1
3518	Kunitz-type protease inhibitor 2	O43291	SPINT2
3519	Kunitz-type protease inhibitor 3	P49223	SPINT3
3520	Kv channel-interacting protein 1	Q9NZI2	KCNIP1
3521	Kv channel-interacting protein 4	Q6PIL6	KCNIP4
3522	KxDL motif-containing protein 1	Q9BQD3	KXD1
3523	Kynureninase	Q16719	KYNU
3524	Kynurenone 3-monoxygenase	O15229	KMO
3525	Kynurenone/alpha-amino adipate aminotransferase, mitochondrial	Q8N5Z0	AADAT
3526	Kynurenone--oxoglutarate transaminase 1	Q16773	KYAT1
3527	Kynurenone--oxoglutarate transaminase 3	Q6YP21	KYAT3
3528	Laccase domain-containing protein 1	Q8IV20	LACC1
3529	Lactadherin	Q08431	MFGE8
3530	Lactase-like protein	Q6UWM7	LCTL
3531	Lactase-phlorizin hydrolase	P09848	LCT
3532	Lactoperoxidase	P22079	LPO
3533	Lactosylceramide 4-alpha-galactosyltransferase	Q9NPC4	A4GALT
3534	Lactosylceramide alpha-2,3-sialyltransferase	Q9UNP4	ST3GAL5
3535	Lactotransferrin	P02788	LTF
3536	Lactotransferrin	P02788	LTF
3537	Lactoylglutathione lyase	Q04760	GLO1
3538	Ladinin-1	O00515	LAD1
3539	Lambda-crystallin homolog	Q9Y2S2	CRYL1
3540	Lamina-associated polypeptide 2, isoforms beta/gamma	P42167	TMPO
3541	Lamin-B1	P20700	LMNB1

#	Human Target or Analyte	UniProt ID	GeneID
3126	Inositol monophosphatase 3	Q9NX62	BPNT2
3127	Inositol oxygenase	Q9UGB7	MIOX
3128	Inositol polyphosphate 5-phosphatase OCRL-1	Q01968	OCRL
3129	Inositol-tetrakisphosphate 1-kinase	Q13572	ITPK1
3130	Inositol-trisphosphate 3-kinase A	P23677	ITPKA
3131	Inositol-trisphosphate 3-kinase C	Q96DU7	ITPKC
3132	Insulin	P01308	INS
3133	Insulin gene enhancer protein ISL-1	P61371	ISL1
3134	Insulin growth factor-like family member 3	Q6UXB1	IGFL3
3135	Insulin receptor	P06213	INSR
3136	Insulin receptor-related protein	P14616	INSRR
3137	Insulin-degrading enzyme	P14735	IDE
3138	Insulin-induced gene 1 protein	O15503	INSIG1
3139	Insulin-like 3	P51460	INSL3
3140	Insulin-like growth factor 1 receptor	P08069	IGF1R
3141	Insulin-like growth factor I	P05019	IGF1
3142	Insulin-like growth factor I	P05019	IGF1
3143	Insulin-like growth factor II:Isoform 3, Pro-form	P01344	IGF2
3144	Insulin-like growth factor II:Mature	P01344	IGF2
3145	Insulin-like growth factor-binding protein 1	P08833	IGFBP1
3146	Insulin-like growth factor-binding protein 1	P08833	IGFBP1
3147	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3148	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3149	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3150	Insulin-like growth factor-binding protein 2	P18065	IGFBP2
3151	Insulin-like growth factor-binding protein 3	P17936	IGFBP3
3152	Insulin-like growth factor-binding protein 4	P22692	IGFBP4
3153	Insulin-like growth factor-binding protein 5	P24593	IGFBP5
3154	Insulin-like growth factor-binding protein 5	P24593	IGFBP5
3155	Insulin-like growth factor-binding protein 6	P24592	IGFBP6
3156	Insulin-like growth factor-binding protein 6	P24592	IGFBP6
3157	Insulin-like growth factor-binding protein 7	Q16270	IGFBP7



#	Human Target or Analyte	UniProt ID	GeneID
3542	Lamin-B2	Q03252	LMNB2
3543	Laminin subunit alpha-3	Q16787	LAMA3
3544	Laminin subunit alpha-4	Q16363	LAMA4
3545	Laminin subunit gamma-2	Q13753	LAMC2
3546	Laminin-2	P24043 P07942 P11047	LAMA2 LAM-B1 LAMC1
3547	L-amino adipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	Q9NRN7	AASDHPPPT
3548	LanC-like protein 1	O43813	LANCL1
3549	LanC-like protein 2	Q9NS86	LANCL2
3550	Large proline-rich protein BAT3	P46379	BAG6
3551	Late cornified envelope protein 3B	Q5TA77	LCE3B
3552	Late cornified envelope protein 3C	Q5T5A8	LCE3C
3553	Latent-transforming growth factor beta-binding protein 4	Q8N2S1	LTBP4
3554	Latexin	Q9BS40	LXN
3555	Latrophilin-3	Q9HAR2	ADGRL3
3556	Layilin	Q6UX15	LAYN
3557	LDLR chaperone MESD	Q14696	MESD
3558	LDLR chaperone MESD	Q14696	MESD
3559	L-dopachrome tautomerase	P40126	DCT
3560	Left-right determination factor 2	O00292	LEFTY2
3561	Left-right determination factor 2	O00292	LEFTY2
3562	Legumain	Q99538	LGMN
3563	Legumain	Q99538	LGMD1
3564	Leiomodin-1	P29536	LMOD1
3565	LEM domain-containing protein 1	Q68G75	LEMD1
3566	Lengsin	Q5TDP6	LGSN
3567	Leptin	P41159	LEP
3568	Leptin	P41159	LEP
3569	Leptin receptor, soluble	P48357	LEPR
3570	Lethal(3)malignant brain tumor-like protein 2	Q969R5	L3MBTL2
3571	LETM1 domain-containing protein 1	Q6P1Q0	LETMD1
3572	Leucine carboxyl methyltransferase 1	Q9UIC8	LCMT1
3573	Leucine repeat adapter protein 25	Q8N5H3	FAM89B



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SomaScan v4.1 Protein List

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#	Human Target or Analyte	UniProt ID	GeneID
3574	Leucine zipper transcription factor-like protein 1	Q9NQ48	LZTFL1
3575	Leucine-rich repeat and calponin homology domain-containing protein 4:Calponin Homology	O75427	LRCH4
3576	Leucine-rich repeat and calponin homology domain-containing protein 4:Leucine-rich repeat 5	O75427	LRCH4
3577	Leucine-rich repeat and fibronectin type III domain-containing protein 1	Q9P244	LRFN1
3578	Leucine-rich repeat and fibronectin type-III domain-containing protein 2	Q9ULH4	LRFN2
3579	Leucine-rich repeat and fibronectin type-III domain-containing protein 3	Q9BTN0	LRFN3
3580	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	Q6PJG9	LRFN4
3581	Leucine-rich repeat and fibronectin type-III domain-containing protein 5	Q96NI6	LRFN5
3582	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1	Q96FE5	LINGO1
3583	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 3	P0C6S8	LINGO3
3584	Leucine-rich repeat and transmembrane domain-containing protein 1	Q9HBL6	LRTM1
3585	Leucine-rich repeat and transmembrane domain-containing protein 2	Q8N967	LRTM2
3586	Leucine-rich repeat flightless-interacting protein 2	Q9Y608	LRRFIP2
3587	Leucine-rich repeat LGI family member 3	Q8N145	LGI3
3588	Leucine-rich repeat neuronal protein 1:Cytoplasmic domain	Q6UXK5	LRRN1
3589	Leucine-rich repeat neuronal protein 1:Extracellular domain	Q6UXK5	LRRN1
3590	Leucine-rich repeat serine/threonine-protein kinase 2	Q5S007	LRRK2
3591	Leucine-rich repeat transmembrane neuronal protein 1	Q86UE6	LRRTM1
3592	Leucine-rich repeat transmembrane neuronal protein 1	Q86UE6	LRRTM1
3593	Leucine-rich repeat transmembrane neuronal protein 2	O43300	LRRTM2
3594	Leucine-rich repeat transmembrane neuronal protein 3	Q86VH5	LRRTM3
3595	Leucine-rich repeat transmembrane neuronal protein 4:Isoform 2,Cytoplasmic domain	Q86VH4	LRRTM4
3596	Leucine-rich repeat transmembrane neuronal protein 4:Isoform 2,Extracellular domain	Q86VH4	LRRTM4
3597	Leucine-rich repeat transmembrane protein FLRT1	Q9NZU1	FLRT1
3598	Leucine-rich repeat transmembrane protein FLRT1	Q9NZU1	FLRT1
3599	Leucine-rich repeat transmembrane protein FLRT2	O43155	FLRT2
3600	Leucine-rich repeat transmembrane protein FLRT3:Cytoplasmic domain	Q9NZU0	FLRT3
3601	Leucine-rich repeat transmembrane protein FLRT3:Extracellular domain	Q9NZU0	FLRT3
3602	Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 2	A6NDA9	LRIT2
3603	Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 3	Q3SXY7	LRIT3



#	Human Target or Analyte	UniProt ID	GeneID
3604	Leucine-rich repeat-containing G-protein coupled receptor 4	Q9BXB1	LGR4
3605	Leucine-rich repeat-containing G-protein coupled receptor 5	O75473	LGR5
3606	Leucine-rich repeat-containing G-protein coupled receptor 5	O75473	LGR5
3607	Leucine-rich repeat-containing protein 15	Q8TF66	LRRC15
3608	Leucine-rich repeat-containing protein 20	Q8TCA0	LRRC20
3609	Leucine-rich repeat-containing protein 24	Q50LG9	LRRC24
3610	Leucine-rich repeat-containing protein 25:Cytoplasmic domain	Q8N386	LRRC25
3611	Leucine-rich repeat-containing protein 25:Extracellular domain	Q8N386	LRRC25
3612	Leucine-rich repeat-containing protein 3	Q9BY71	LRRC3
3613	Leucine-rich repeat-containing protein 32	Q14392	LRRC32
3614	Leucine-rich repeat-containing protein 37A2	A6NM11	LRRC37A2
3615	Leucine-rich repeat-containing protein 3B	Q96PB8	LRRC3B
3616	Leucine-rich repeat-containing protein 4	Q9HBW1	LRRC4
3617	Leucine-rich repeat-containing protein 4B:Cytoplasmic domain	Q9NT99	LRRC4B
3618	Leucine-rich repeat-containing protein 4B:Extracellular domain	Q9NT99	LRRC4B
3619	Leucine-rich repeat-containing protein 4C	Q9HCJ2	LRRC4C
3620	Leucine-rich repeat-containing protein 52	Q8N7C0	LRRC52
3621	Leucine-rich repeat-containing protein 59	Q96AG4	LRRC59
3622	Leucine-rich repeat-containing protein 74A	Q0VAA2	LRRC74A
3623	Leucine-rich repeat-containing protein 75A	Q8NAA5	LRRC75A
3624	Leucine-rich repeats and immunoglobulin-like domains protein 1	Q96JA1	LRIG1
3625	Leucine-rich repeats and immunoglobulin-like domains protein 3	Q6UXM1	LRIG3
3626	Leukemia inhibitory factor	P15018	LIF
3627	Leukemia inhibitory factor receptor	P42702	LIFR
3628	Leukocyte antigen CD37	P11049	CD37
3629	Leukocyte cell-derived chemotaxin 1	O75829	CNMD
3630	Leukocyte cell-derived chemotaxin-2	O14960	LECT2
3631	Leukocyte cell-derived chemotaxin-2	O14960	LECT2
3632	Leukocyte elastase inhibitor	P30740	SERPINB1
3633	Leukocyte immunoglobulin-like receptor subfamily A member 1	O75019	LILRA1
3634	Leukocyte immunoglobulin-like receptor subfamily A member 2	Q8N149	LILRA2
3635	Leukocyte immunoglobulin-like receptor subfamily A member 3	Q8N6C8	LILRA3

#	Human Target or Analyte	UniProt ID	GeneID
3636	Leukocyte immunoglobulin-like receptor subfamily A member 4	P59901	LILRA4
3637	Leukocyte immunoglobulin-like receptor subfamily A member 5	A6NI73	LILRA5
3638	Leukocyte immunoglobulin-like receptor subfamily A member 5	A6NI73	LILRA5
3639	Leukocyte immunoglobulin-like receptor subfamily A member 6	Q6PI73	LILRA6
3640	Leukocyte immunoglobulin-like receptor subfamily B member 1	Q8NHL6	LILRB1
3641	Leukocyte immunoglobulin-like receptor subfamily B member 2	Q8N423	LILRB2
3642	Leukocyte immunoglobulin-like receptor subfamily B member 2	Q8N423	LILRB2
3643	Leukocyte immunoglobulin-like receptor subfamily B member 3	O75022	LILRB3
3644	Leukocyte immunoglobulin-like receptor subfamily B member 3	O75022	LILRB3
3645	Leukocyte immunoglobulin-like receptor subfamily B member 4	Q8NHJ6	LILRB4
3646	Leukocyte immunoglobulin-like receptor subfamily B member 5	O75023	LILRB5
3647	Leukocyte surface antigen CD47	Q08722	CD47
3648	Leukocyte tyrosine kinase receptor	P29376	LTK
3649	Leukocyte-associated immunoglobulin-like receptor 1	Q6GTX8	LAIR1
3650	Leukocyte-associated immunoglobulin-like receptor 2	Q6ISS4	LAIR2
3651	Leukocyte-specific transcript 1 protein	O00453	LST1
3652	Leukosialin	P16150	SPN
3653	Leukotriene A-4 hydrolase	P09960	LTA4H
3654	Leukotriene B4 receptor 1	Q15722	LTB4R
3655	Leydig cell tumor 10 kDa protein homolog	Q9UNZ5	C19orf53
3656	Ligand-dependent nuclear receptor corepressor-like protein	Q8N3X6	LCORL
3657	LIM and SH3 domain protein 1	Q14847	LASP1
3658	LIM domain and actin-binding protein 1	Q9UHB6	LIMA1
3659	LIM domain kinase 1	P53667	LIMK1
3660	LIM domain only protein 3	Q8TAP4	LMO3
3661	LIM domain only transcription factor protein 4	P61968	LMO4
3662	LIM domain-binding protein 1	Q86U70	LDB1
3663	LIM domain-binding protein 2	O43679	LDB2
3664	LIM domain-containing protein 1	Q9UGP4	LIMD1
3665	LIM domain-containing protein 2	Q9BT23	LIMD2
3666	Limbic system-associated membrane protein	Q13449	LSAMP
3667	Linker for activation of T-cells family member 1	O43561	LAT

#	Human Target or Analyte	UniProt ID	GeneID
3668	Linker for activation of T-cells family member 2	Q9GZY6	LAT2
3669	Lipase member K	Q5VXJ0	LIPK
3670	Lipase member N	Q5VXI9	LIPN
3671	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	P11182	DBT
3672	Lipocalin-1	P31025	LCN1
3673	Lipocalin-like 1 protein	Q6ZST4	LCNL1
3674	Lipopolsaccharide-binding protein	P18428	LBP
3675	Lipoprotein lipase	P06858	LPL
3676	Liprin-alpha-1	Q13136	PPFIA1
3677	LisH domain-containing protein FOPNL	Q96NB1	CEP20
3678	Lithostathine-1-alpha	P05451	REG1A
3679	Lithostathine-1-beta	P48304	REG1B
3680	Lithostathine-1-beta	P48304	REG1B
3681	Lithostathine-1-beta	P48304	REG1B
3682	Liver carboxylesterase 1	P23141	CES1
3683	Liver carboxylesterase 1	P23141	CES1
3684	Liver-expressed antimicrobial peptide 2	Q969E1	LEAP2
3685	L-lactate dehydrogenase A chain	P00338	LDHA
3686	L-lactate dehydrogenase A chain	P00338	LDHA
3687	L-lactate dehydrogenase B chain	P07195	LDHB
3688	L-lactate dehydrogenase C chain	P07864	LDHC
3689	Lon protease homolog, mitochondrial	P36776	LONP1
3690	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	P28330	ACADL
3691	Low affinity immunoglobulin epsilon Fc receptor	P06734	FCER2
3692	Low affinity immunoglobulin gamma Fc region receptor II-a	P12318	FCGR2A
3693	Low affinity immunoglobulin gamma Fc region receptor II-b	P31994	FCGR2B
3694	Low affinity immunoglobulin gamma Fc region receptor II-b	P31994	FCGR2B
3695	Low affinity immunoglobulin gamma Fc region receptor III-A	P08637	FCGR3A
3696	Low affinity immunoglobulin gamma Fc region receptor III-B	O75015	FCGR3B
3697	Low density lipoprotein receptor adapter protein 1	Q5SW96	LDLRAP1
3698	Low molecular weight phosphotyrosine protein phosphatase	P24666	ACP1
3699	Low-density lipoprotein receptor	P01130	LDLR



#	Human Target or Analyte	UniProt ID	GeneID
3700	Low-density lipoprotein receptor class A domain-containing protein 3	Q86YD5	LDLRAD3
3701	Low-density lipoprotein receptor class A domain-containing protein 4	O15165	LDLRAD4
3702	Low-density lipoprotein receptor-related protein 1, soluble: Cytoplasmic domain	Q07954	LRP1
3703	Low-density lipoprotein receptor-related protein 1, soluble: Extracellular domain, LDL receptor class A domains 11-20	Q07954	LRP1
3704	Low-density lipoprotein receptor-related protein 10	Q7Z4F1	LRP10
3705	Low-density lipoprotein receptor-related protein 11	Q86VZ4	LRP11
3706	Low-density lipoprotein receptor-related protein 11	Q86VZ4	LRP11
3707	Low-density lipoprotein receptor-related protein 11	Q86VZ4	LRP11
3708	Low-density lipoprotein receptor-related protein 12	Q9Y561	LRP12
3709	Low-density lipoprotein receptor-related protein 12	Q9Y561	LRP12
3710	Low-density lipoprotein receptor-related protein 1B	Q9NZR2	LRP1B
3711	Low-density lipoprotein receptor-related protein 2	P98164	LRP2
3712	Low-density lipoprotein receptor-related protein 4	O75096	LRP4
3713	Low-density lipoprotein receptor-related protein 5	O75197	LRP5
3714	Low-density lipoprotein receptor-related protein 6	O75581	LRP6
3715	Low-density lipoprotein receptor-related protein 8	Q14114	LRP8
3716	LRP	Q14764	MVP
3717	LRP2-binding protein	Q9P2M1	LRP2BP
3718	L-Selectin	P14151	SELL
3719	Lumican	P51884	LUM
3720	Lupus La protein: HTH La-type RNA-binding domain	P05455	SSB
3721	Lupus La protein: RNA recognition motif	P05455	SSB
3722	Luteinizing hormone	P01215 P01229	CGA LHB
3723	Lutropin subunit beta	P01229	LHB
3724	Lutropin-choriogonadotrophic hormone receptor	P22888	LHCGR
3725	L-xylulose reductase	Q7Z4W1	DCXR
3726	Ly6/PLAUR domain-containing protein 1	Q8N2G4	LYPD1
3727	Ly6/PLAUR domain-containing protein 3	O95274	LYPD3
3728	Lymphatic vessel endothelial hyaluronic acid receptor 1	Q9Y5Y7	LYVE1
3729	Lymphocyte activation gene 3 protein	P18627	LAG3
3730	Lymphocyte activation gene 3 protein	P18627	LAG3
3731	Lymphocyte antigen 6 complex locus protein G6c	O95867	LY6G6C



#	Human Target or Analyte	UniProt ID	GeneID
3732	Lymphocyte antigen 6 complex locus protein G6d	O95868	LY6G6D
3733	Lymphocyte antigen 6D	Q14210	LY6D
3734	Lymphocyte antigen 75	O60449	LY75
3735	Lymphocyte antigen 86	O95711	LY86
3736	Lymphocyte function-associated antigen 3	P19256	CD58
3737	Lymphocyte-specific protein 1	P33241	LSP1
3738	Lymphoid-restricted membrane protein	Q12912	IRAG2
3739	Lymphoid-restricted membrane protein	Q12912	IRAG2
3740	Lymphokine-activated killer T-cell-originated protein kinase	Q96KB5	PBK
3741	Lymphotactin	P47992	XCL1
3742	Lymphotactin	P47992	XCL1
3743	Lymphotoxin alpha1:beta2	P01374 Q06643	LTA LTB
3744	Lymphotoxin alpha2:beta1	P01374 Q06643	LTA LTB
3745	Lymphotoxin-alpha	P01374	LTA
3746	LYR motif-containing protein 1	O43325	LYRM1
3747	Lysine-specific demethylase 4C	Q9H3R0	KDM4C
3748	Lysine-specific demethylase 8	Q8N371	KDM8
3749	Lysine-specific histone demethylase 1A	O60341	KDM1A
3750	Lysine--tRNA ligase	Q15046	KARS1
3751	LysM and putative peptidoglycan-binding domain-containing protein 3	Q7Z3D4	LYSMD3
3752	LysM and putative peptidoglycan-binding domain-containing protein 4	Q5XG99	LYSMD4
3753	Lysophosphatidic acid phosphatase type 6	Q9NP0	ACP6
3754	Lysophosphatidylcholine acyltransferase 2	Q7L5N7	LPCAT2
3755	Lysophospholipase D GDPD1	Q8N9F7	GDPD1
3756	Lysophospholipase-like protein 1	Q5VWZ2	LYPLAL1
3757	Lysosomal acid phosphatase	P11117	ACP2
3758	Lysosomal alpha-glucosidase	P10253	GAA
3759	Lysosomal protective protein	P10619	CTSA
3760	Lysosomal Pro-X carboxypeptidase	P42785	PRCP
3761	Lysosome membrane protein 2	Q14108	SCARB2
3762	Lysosome-associated membrane glycoprotein 1	P11279	LAMP1
3763	Lysozyme C	P61626	LYZ



#	Human Target or Analyte	UniProt ID	GeneID
3764	Lysozyme g-like protein 1	Q8N1E2	LYG1
3765	Lysozyme g-like protein 2	Q86SG7	LYG2
3766	Lysozyme-like protein 2	Q7Z4W2	LYZL2
3767	Lysyl oxidase homolog 2	Q9Y4K0	LOXL2
3768	Lysyl oxidase homolog 3	P58215	LOXL3
3769	Macoilin	Q8N5G2	MACO1
3770	Macrophage colony-stimulating factor 1	P09603	CSF1
3771	Macrophage colony-stimulating factor 1	P09603	CSF1
3772	Macrophage colony-stimulating factor 1 receptor	P07333	CSF1R
3773	Macrophage colony-stimulating factor 1 receptor	P07333	CSF1R
3774	Macrophage erythroblast attacher	Q7L5Y9	MAEA
3775	Macrophage mannose receptor 1	P22897	MRC1
3776	Macrophage metalloelastase	P39900	MMP12
3777	Macrophage migration inhibitory factor	P14174	MIF
3778	Macrophage migration inhibitory factor	P14174	MIF
3779	Macrophage receptor MARCO	Q9UEW3	MARCO
3780	Macrophage receptor MARCO	Q9UEW3	MARCO
3781	Macrophage scavenger receptor types I and II:Cytoplasmic domain	P21757	MSR1
3782	Macrophage scavenger receptor types I and II:Extracellular domain	P21757	MSR1
3783	Macrophage scavenger receptor types I and II:Extracellular domain	P21757	MSR1
3784	Macrophage scavenger receptor types I and II:Extracellular domain	P21757	MSR1
3785	Macrophage-capping protein	P40121	CAPG
3786	Macrophage-stimulating protein receptor	Q04912	MST1R
3787	Macrosialin	P34810	CD68
3788	Macrosialin	P34810	CD68
3789	MAD2L1-binding protein	Q15013	MAD2L1BP
3790	Magnesium transporter NIPA4	Q0D2K0	NIPAL4
3791	Magnesium-dependent phosphatase 1	Q86V88	MDP1
3792	MAGUK p55 subfamily member 2	Q14168	MPP2
3793	MAGUK p55 subfamily member 5	Q8N3R9	MPP5
3794	MAGUK p55 subfamily member 6	Q9NZW5	MPP6
3795	MAGUK p55 subfamily member 7	Q5T2T1	MPP7

#	Human Target or Analyte	UniProt ID	GeneID
3796	Major prion protein	P04156	PRNP
3797	Malate dehydrogenase, cytoplasmic	P40925	MDH1
3798	Malate dehydrogenase, mitochondrial	P40926	MDH2
3799	Malate dehydrogenase, mitochondrial	P40926	MDH2
3800	Malectin	Q14165	MLEC
3801	Maleylacetoacetate isomerase	O43708	GSTZ1
3802	Malignant T-cell-amplified sequence 1	Q9ULC4	MCTS1
3803	Malonyl-CoA decarboxylase, mitochondrial	O95822	MLYCD
3804	MAM domain-containing glycosylphosphatidylinositol anchor protein 1	Q8NFP4	MDGA1
3805	MAM domain-containing glycosylphosphatidylinositol anchor protein 2	Q7Z553	MDGA2
3806	MAM domain-containing protein 2	Q7Z304	MAMDC2
3807	Mammaglobin-B	O75556	SCGB2A1
3808	Mammaglobin-B	O75556	SCGB2A1
3809	Mammalian ependymin-related protein 1	Q9UM22	EPDR1
3810	Manganese-transporting ATPase 13A1	Q9HD20	ATP13A1
3811	Mannan-binding lectin serine protease 1:Mannan-binding lectin serine protease 1 heavy chain	P48740	MASP1
3812	Mannan-binding lectin serine protease 1:Mannan-binding lectin serine protease 1 light chain	P48740	MASP1
3813	Mannan-binding lectin serine protease 1:Sushi 1 and Sushi 2	P48740	MASP1
3814	Mannose-1-phosphate guanyltransferase alpha	Q96IJ6	GMPPA
3815	Mannose-6-phosphate isomerase	P34949	MPI
3816	Mannose-binding protein C	P11226	MBL2
3817	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IB	O60476	MAN1A2
3818	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IC	Q9NR34	MAN1C1
3819	MANSC domain-containing protein 1	Q9H8J5	MANSC1
3820	MANSC domain-containing protein 4	A6NHS7	MANSC4
3821	MAP kinase-activated protein kinase 2	P49137	MAPKAPK2
3822	MAP kinase-activated protein kinase 3	Q16644	MAPKAPK3
3823	MAP kinase-activated protein kinase 5	Q8IW41	MAPKAPK5
3824	MAP kinase-activated protein kinase 5	Q8IW41	MAPKAPK5
3825	MAP kinase-interacting serine/threonine-protein kinase 1	Q9BUB5	MKNK1
3826	MAP/microtubule affinity-regulating kinase 3	P27448	MARK3

#	Human Target or Analyte	UniProt ID	GeneID
3827	MAP6 domain-containing protein 1	Q9H9H5	MAP6D1
3828	MARCKS-related protein	P49006	MARCKSL1
3829	Marginal zone B- and B1-cell-specific protein	Q8WU39	MZB1
3830	Marginal zone B- and B1-cell-specific protein	Q8WU39	MZB1
3831	MART-1	Q16655	MLANA
3832	MARVEL domain-containing protein 2	Q8N4S9	MARVELD2
3833	Maspardin	Q9NZD8	SPG21
3834	Mast cell-expressed membrane protein 1	Q8IX19	MCEMP1
3835	Mast/stem cell growth factor receptor Kit	P10721	KIT
3836	Matrilin-2	O00339	MATN2
3837	Matrilin-3	O15232	MATN3
3838	Matrilin-3	O15232	MATN3
3839	Matrilin-4	O95460	MATN4
3840	Matrixlysin	P09237	MMP7
3841	Matrixlysin	P09237	MMP7
3842	Matrix extracellular phosphoglycoprotein	Q9NQ76	MEPE
3843	Matrix Gla protein	P08493	MGP
3844	Matrix metalloproteinase-14	P50281	MMP14
3845	Matrix metalloproteinase-16	P51512	MMP16
3846	Matrix metalloproteinase-16	P51512	MMP16
3847	Matrix metalloproteinase-17	Q9ULZ9	MMP17
3848	Matrix metalloproteinase-19	Q99542	MMP19
3849	Matrix metalloproteinase-20	O60882	MMP20
3850	Matrix metalloproteinase-20	O60882	MMP20
3851	Matrix metalloproteinase-9	P14780	MMP9
3852	Matrix-remodeling-associated protein 7	P84157	MXRA7
3853	Matrix-remodeling-associated protein 8:Cytoplasmic domain	Q9BRK3	MXRA8
3854	Matrix-remodeling-associated protein 8:Extracellular domain	Q9BRK3	MXRA8
3855	MAX gene-associated protein	Q8IWI9	MGA
3856	MAX-interacting protein 1	P50539	MXI1
3857	Max-like protein X	Q9UH92	MLX
3858	MCP-1 Induced Protein	Q5D1E8	ZC3H12A



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#	Human Target or Analyte	UniProt ID	GeneID
3859	Mediator of RNA polymerase II transcription subunit 1	Q15648	MED1
3860	Mediator of RNA polymerase II transcription subunit 10	Q9BTT4	MED10
3861	Mediator of RNA polymerase II transcription subunit 11	Q9P086	MED11
3862	Mediator of RNA polymerase II transcription subunit 20	Q9H944	MED20
3863	Mediator of RNA polymerase II transcription subunit 28	Q9H204	MED28
3864	Mediator of RNA polymerase II transcription subunit 4	Q9NPJ6	MED4
3865	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	P11310	ACADM
3866	Megakaryocyte-associated tyrosine-protein kinase	P42679	MATK
3867	Meiosis 1 arrest protein	Q8TC57	M1AP
3868	Meiosis expressed gene 1 protein homolog	Q5JSS6	MEIG1
3869	Meiotic recombination protein DMC1/LIM15 homolog	Q14565	DMC1
3870	Melanocortin-2 receptor accessory protein	Q8TCY5	MRAP
3871	Melanocortin-2 receptor accessory protein 2	Q96G30	MRAP2
3872	Melanocyte protein PMEL	P40967	PMEL
3873	Melanoma-associated antigen 10	P43363	MAGEA10
3874	Melanoma-associated antigen 3	P43357	MAGEA3
3875	Melanoma-associated antigen 3	P43357	MAGEA3
3876	Melanoma-associated antigen 4	P43358	MAGEA4
3877	Melanoma-associated antigen 4	P43358	MAGEA4
3878	Melanoma-associated antigen 5	P43359	MAGEA5
3879	Melanoma-associated antigen 6	P43360	MAGEA6
3880	Melanoma-associated antigen 6	P43360	MAGEA6
3881	Melanoma-associated antigen 8	P43361	MAGEA8
3882	Melanoma-associated antigen B10	Q96LZ2	MAGEB10
3883	Melanoma-associated antigen D1	Q9Y5V3	MAGED1
3884	Melanoma-associated antigen MUC18	P43121	MCAM
3885	Melanoma-derived growth regulatory protein	Q16674	MIA
3886	Melanoregulin	Q8N565	MREG
3887	Membrane cofactor protein	P15529	CD46
3888	Membrane frizzled-related protein	Q9BY79	MFRP
3889	Membrane magnesium transporter 1	Q8N4V1	MMGT1
3890	Membrane metallo-endopeptidase-like 1	Q495T6	MMEL1

#	Human Target or Analyte	UniProt ID	GeneID
3891	Membrane protein FAM159A	Q6UWV7	SHISAL2A
3892	Membrane protein FAM174A	Q8TBP5	FAM174A
3893	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2	Q86UL8	MAGI2
3894	Membrane-associated phosphatidylinositol transfer protein 3	Q9BZ71	PITPNM3
3895	Membrane-associated progesterone receptor component 1	O00264	PGRMC1
3896	Membrane-associated progesterone receptor component 2	O15173	PGRMC2
3897	Membrane-associated progesterone receptor component 2	O15173	PGRMC2
3898	Membrane-associated progesterone receptor component 2:N-term, Isoform 2	O15173	PGRMC2
3899	Membrane-bound transcription factor site-1 protease	Q14703	MBTPS1
3900	Menin	O00255	MEN1
3901	Meprin A subunit alpha	Q16819	MEP1A
3902	Meprin A subunit alpha	Q16819	MEP1A
3903	Mesencephalic astrocyte-derived neurotrophic factor	P55145	MANF
3904	Mesoderm development candidate 1	Q9H1K6	TLNRD1
3905	Mesothelin	Q13421	MSLN
3906	Metabotropic glutamate receptor 4	Q14833	GRM4
3907	Metallophosphoesterase MPPED2	Q15777	MPPED2
3908	Metalloprotease TIK1	Q86V40	TRABD2A
3909	Metalloproteinase inhibitor 1	P01033	TIMP1
3910	Metalloproteinase inhibitor 1	P01033	TIMP1
3911	Metalloproteinase inhibitor 1	P01033	TIMP1
3912	Metalloproteinase inhibitor 2	P16035	TIMP2
3913	Metalloproteinase inhibitor 3	P35625	TIMP3
3914	Metalloproteinase inhibitor 4	Q99727	TIMP4
3915	Metastasis-suppressor KiSS-1	Q15726	KISS1
3916	Metaxin-2	O75431	MTX2
3917	Meteorin-like protein	Q641Q3	METRNL
3918	Methenyltetrahydrofolate synthase domain-containing protein	Q2M296	MTHFSD
3919	Methionine adenosyltransferase 2 subunit beta	Q9NZL9	MAT2B
3920	Methionine aminopeptidase 1	P53582	METAP1
3921	Methionine aminopeptidase 1D, mitochondrial	Q6UB28	METAP1D
3922	Methionine aminopeptidase 2	P50579	METAP2

#	Human Target or Analyte	UniProt ID	GeneID
3923	Methionine-R-sulfoxide reductase B1	Q9NZV6	MSRB1
3924	Methionine-R-sulfoxide reductase B2, mitochondrial	Q9Y3D2	MSRB2
3925	Methionine-R-sulfoxide reductase B3	Q8IXL7	MSRB3
3926	Methionyl-tRNA synthetase, cytoplasmic	P56192	MARS1
3927	Methylated-DNA--protein-cysteine methyltransferase	P16455	MGMT
3928	Methyl-CpG-binding domain protein 1	Q9UIS9	MBD1
3929	Methyl-CpG-binding domain protein 4	O95243	MBD4
3930	Methyl-CpG-binding protein 2	P51608	MECP2
3931	Methylglutaconyl-CoA hydratase, mitochondrial	Q13825	AUH
3932	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	Q02252	ALDH6A1
3933	Methylmalonic aciduria and homocystinuria type C protein	Q9Y4U1	MMACHC
3934	Methylmalonic aciduria and homocystinuria type D protein, mitochondrial	Q9H3L0	MMADHC
3935	Methylmalonyl-CoA epimerase, mitochondrial	Q96PE7	MCEE
3936	Methylthioribose-1-phosphate isomerase	Q9BV20	MRI1
3937	Methyltransferase-like 26	Q96S19	METTL26
3938	Methyltransferase-like protein 24	Q5JXM2	METTL24
3939	Methyltransferase-like protein 2B	Q6P1Q9	METTL2B
3940	Mevalonate kinase	Q03426	MVK
3941	MHC class I polypeptide-related sequence A	Q29983	MICA
3942	MHC class I polypeptide-related sequence B	Q29980	MICB
3943	MHC class I polypeptide-related sequence B	Q29980	MICB
3944	MICAL-like protein 1	Q8N3F8	MICALL1
3945	MICAL-like protein 2	Q8IY33	MICALL2
3946	MICOS complex subunit MIC10	Q5TGZ0	MICOS10
3947	Microfibril-associated glycoprotein 3	P55082	MFAP3
3948	Microfibril-associated glycoprotein 4	P55083	MFAP4
3949	Microfibrillar-associated protein 1	P55081	MFAP1
3950	Microfibrillar-associated protein 2	P55001	MFAP2
3951	Microfibrillar-associated protein 2	P55001	MFAP2
3952	Microfibrillar-associated protein 3-like	O75121	MFAP3L
3953	Microfibrillar-associated protein 5	Q13361	MFAP5
3954	Microtubule-associated protein RP/EB family member 1	Q15691	MAPRE1



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#	Human Target or Analyte	UniProt ID	GeneID
3955	Microtubule-associated protein RP/EB family member 1	Q15691	MAPRE1
3956	Microtubule-associated protein RP/EB family member 2	Q15555	MAPRE2
3957	Microtubule-associated protein RP/EB family member 3	Q9UPY8	MAPRE3
3958	Microtubule-associated protein RP/EB family member 3	Q9UPY8	MAPRE3
3959	Microtubule-associated protein tau	P10636	MAPT
3960	Microtubule-associated proteins 1A/1B light chain 3 beta 2	A6NCE7	MAP1LC3B2
3961	Microtubule-associated proteins 1A/1B light chain 3A	Q9H492	MAP1LC3A
3962	Microtubule-associated proteins 1A/1B light chain 3B	Q9GZQ8	MAP1LC3B
3963	Microtubule-associated serine/threonine-protein kinase 4	O15021	MAST4
3964	Microtubule-associated tumor suppressor candidate 2	Q5JR59	MTUS2
3965	Midkine	P21741	MDK
3966	Mimecan	P20774	OGN
3967	Mimitin, mitochondrial	Q8N183	NDUFAF2
3968	Mineralocorticoid receptor	P08235	NR3C2
3969	Mismatch repair endonuclease PMS2	P54278	PMS2
3970	MIT domain-containing protein 1	Q8WV92	MITD1
3971	MITF	O75030	MITF
3972	Mitochondrial coiled-coil domain protein 1	P59942	MCCD1
3973	Mitochondrial dynamics protein MID51	Q9NQG6	MIEF1
3974	Mitochondrial fission 1 protein	Q9Y3D6	FIS1
3975	Mitochondrial fission regulator 1	Q15390	MTFR1
3976	Mitochondrial glutamate carrier 2	Q9H1K4	SLC25A18
3977	Mitochondrial import inner membrane translocase subunit Tim10	P62072	TIMM10
3978	Mitochondrial import inner membrane translocase subunit Tim10 B	Q9Y5J6	TIMM10B
3979	Mitochondrial import inner membrane translocase subunit Tim13	Q9Y5L4	TIMM13
3980	Mitochondrial import inner membrane translocase subunit TIM14	Q96DA6	DNAJC19
3981	Mitochondrial import inner membrane translocase subunit Tim21	Q9BVV7	TIMM21
3982	Mitochondrial import inner membrane translocase subunit Tim23	O14925	TIMM23
3983	Mitochondrial import inner membrane translocase subunit TIM50	Q3ZCQ8	TIMM50
3984	Mitochondrial import inner membrane translocase subunit Tim8 A	O60220	TIMM8A
3985	Mitochondrial import receptor subunit TOM20 homolog	Q15388	TOMM20
3986	Mitochondrial inner membrane protease ATP23 homolog	Q9Y6H3	ATP23



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#	Human Target or Analyte	UniProt ID	GeneID
3987	Mitochondrial inner membrane protease subunit 2	Q96T52	IMMP2L
3988	Mitochondrial peptide methionine sulfoxide reductase	Q9UJ68	MSRA
3989	Mitochondrial pyruvate carrier 1	Q9Y5U8	MPC1
3990	Mitochondrial Rho GTPase 1	Q8IXI2	RHOT1
3991	Mitochondrial ubiquitin ligase activator of NFKB 1:Cytoplasmic domain	Q969V5	MUL1
3992	Mitochondrial ubiquitin ligase activator of NFKB 1:Mitochondrial intermembrane domain	Q969V5	MUL1
3993	Mitochondrial-processing peptidase subunit alpha	Q10713	PMPCA
3994	Mitofusin-1	Q8IWA4	MFN1
3995	Mitogen-activated protein kinase 1	P28482	MAPK1
3996	Mitogen-activated protein kinase 10	P53779	MAPK10
3997	Mitogen-activated protein kinase 11	Q15759	MAPK11
3998	Mitogen-activated protein kinase 12	P53778	MAPK12
3999	Mitogen-activated protein kinase 13	O15264	MAPK13
4000	Mitogen-activated protein kinase 14	Q16539	MAPK14
4001	Mitogen-activated protein kinase 3	P27361	MAPK3
4002	Mitogen-activated protein kinase 6	Q16659	MAPK6
4003	Mitogen-activated protein kinase 8	P45983	MAPK8
4004	Mitogen-activated protein kinase 9	P45984	MAPK9
4005	Mitogen-activated protein kinase 9	P45984	MAPK9
4006	Mitogen-activated protein kinase 9	P45984	MAPK9
4007	Mitogen-activated protein kinase kinase kinase 10	Q02779	MAP3K10
4008	Mitogen-activated protein kinase kinase kinase 11	Q16584	MAP3K11
4009	Mitogen-activated protein kinase kinase kinase 3	Q99759	MAP3K3
4010	Mitogen-activated protein kinase kinase kinase 3	Q99759	MAP3K3
4011	Mitogen-activated protein kinase kinase kinase 7:TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 fusion	O43318 Q15750	MAP3K7 TAB1
4012	Mitogen-activated protein kinase kinase kinase kinase 1	Q92918	MAP4K1
4013	Mitogen-activated protein kinase kinase kinase kinase 3	Q8IVH8	MAP4K3
4014	Mitogen-activated protein kinase kinase kinase kinase 5	Q9Y4K4	MAP4K5
4015	Mitotic checkpoint serine/threonine-protein kinase BUB1	O43683	BUB1
4016	Mitotic spindle assembly checkpoint protein MAD1	Q9Y6D9	MAD1L1
4017	Mitotic spindle assembly checkpoint protein MAD2A	Q13257	MAD2L1
4018	Mitotic spindle assembly checkpoint protein MAD2B	Q9UI95	MAD2L2



#	Human Target or Analyte	UniProt ID	GeneID
4019	Mitotic-spindle organizing protein 2A	Q6P582	MZT2A
4020	MOB kinase activator 1A	Q9H8S9	MOB1A
4021	MOB kinase activator 1B	Q7L9L4	MOB1B
4022	MOB kinase activator 3B	Q86TA1	MOB3B
4023	MOB-like protein phocean	Q9Y3A3	MOB4
4024	Modulator of retrovirus infection homolog	Q9BWK5	CYREN
4025	Moesin	P26038	MSN
4026	Molybdenum cofactor sulfurase	Q96EN8	MOCOS
4027	Mono [ADP-ribose] polymerase PARP16	Q8N5Y8	PARP16
4028	Monoacylglycerol lipase ABHD12	Q8N2K0	ABHD12
4029	Monocarboxylate transporter 4	O15427	SLC16A3
4030	Monocyte differentiation antigen CD14	P08571	CD14
4031	Monocyte differentiation antigen CD14, soluble	P08571	CD14
4032	MORF4 family-associated protein 1-like 1	Q96HT8	MRFAP1L1
4033	Mortality factor 4-like protein 1	Q9UBU8	MORF4L1
4034	Mortality factor 4-like protein 2	Q15014	MORF4L2
4035	Mothers against decapentaplegic homolog 1	Q15797	SMAD1
4036	Mothers against decapentaplegic homolog 2	Q15796	SMAD2
4037	Mothers against decapentaplegic homolog 2	Q15796	SMAD2
4038	Mothers against decapentaplegic homolog 3	P84022	SMAD3
4039	Mothers against decapentaplegic homolog 4	Q13485	SMAD4
4040	Motile sperm domain-containing protein 1	Q9UJG1	MOSPD1
4041	Motor neuron and pancreas homeobox protein 1	P50219	MNX1
4042	M-phase inducer phosphatase 1	P30304	CDC25A
4043	M-phase inducer phosphatase 2	P30305	CDC25B
4044	mRNA turnover protein 4 homolog	Q9UKD2	MRTO4
4045	mRNA-capping enzyme	O60942	RNGTT
4046	mRNA-capping enzyme	O60942	RNGTT
4047	mRNA-decapping enzyme 1A	Q9NPI6	DCP1A
4048	mRNA-decapping enzyme 1B	Q8IZD4	DCP1B
4049	MSX-2	P35548	MSX2
4050	Mth938 domain-containing protein	Q9H7C9	AAMDC



#	Human Target or Analyte	UniProt ID	GeneID
4051	MTSS1-like protein	Q765P7	MTSS2
4052	Mucin-1:region 1	P15941	MUC1
4053	Mucin-1:region 2	P15941	MUC1
4054	Mucin-1:region 3	P15941	MUC1
4055	Mucin-16	Q8WXI7	MUC16
4056	Mucin-like protein 1	Q96DR8	MUCL1
4057	Mucosa-associated lymphoid tissue lymphoma translocation protein 1	Q9UDY8	MALT1
4058	Mucosal addressin cell adhesion molecule 1	Q13477	MADCAM1
4059	Muellerian-inhibiting factor	P03971	AMH
4060	Multidrug resistance-associated protein 6	O95255	ABCC6
4061	Multifunctional protein ADE2	P22234	PAICS
4062	Multimerin-2	Q9H8L6	MMRN2
4063	Multiple epidermal growth factor-like domains protein 10	Q96KG7	MEGF10
4064	Multiple inositol polyphosphate phosphatase 1	Q9UNW1	MINPP1
4065	Multiple PDZ domain protein	O75970	MPDZ
4066	Multivesicular body subunit 12B	Q9H7P6	MVB12B
4067	Muscle, skeletal receptor tyrosine-protein kinase	O15146	MUSK
4068	Muscleblind-like protein 1	Q9NR56	MBNL1
4069	Muscleblind-like protein 2	Q5VZF2	MBNL2
4070	Muscular LMNA-interacting protein	Q5VWP3	MLIP
4071	Musculin	O60682	MSC
4072	Musculoskeletal embryonic nuclear protein 1	Q8IVN3	MUSTN1
4073	Myb/SANT-like DNA-binding domain-containing protein 2	Q6P1R3	MSANTD2
4074	Myc box-dependent-interacting protein 1	O00499	BIN1
4075	Myc proto-oncogene protein	P01106	MYC
4076	Myc target protein 1	Q8N699	MYCT1
4077	Myc-associated zinc finger protein	P56270	MAZ
4078	Mycophenolic acid acyl-glucuronide esterase, mitochondrial	Q9NUJ1	ABHD10
4079	Myelin P2 protein	P02689	PMP2
4080	Myelin protein P0	P25189	MPZ
4081	Myelin protein zero-like protein 1	O95297	MPZL1
4082	Myelin protein zero-like protein 2	O60487	MPZL2

#	Human Target or Analyte	UniProt ID	GeneID
4083	Myelin regulatory factor	Q9Y2G1	MYRF
4084	Myelin-associated glycoprotein	P20916	MAG
4085	Myelin-oligodendrocyte glycoprotein	Q16653	MOG
4086	Myeloblastin	P24158	PRTN3
4087	Myeloblastin	P24158	PRTN3
4088	Myeloid cell nuclear differentiation antigen	P41218	MNDA
4089	Myeloid cell surface antigen CD33	P20138	CD33
4090	Myeloid leukemia factor 1	P58340	MLF1
4091	Myeloid zinc finger 1	P28698	MZF1
4092	Myeloid-derived growth factor	Q969H8	MYDGF
4093	Myeloperoxidase	P05164	MPO
4094	Myocardial zonula adherens protein	P0CAP1	MYZAP
4095	Myocardial zonula adherens protein	P0CAP1	MYZAP
4096	Myocardial zonula adherens protein	P0CAP1	MYZAP
4097	Myocilin	Q99972	MYOC
4098	Myocyte-specific enhancer factor 2C	Q06413	MEF2C
4099	Myocyte-specific enhancer factor 2D	Q14814	MEF2D
4100	Myoglobin	P02144	MB
4101	Myomesin-2	P54296	MYOM2
4102	Myomesin-3	Q5VTT5	MYOM3
4103	Myoneurin	Q9NPC7	MYNN
4104	Myosin light chain 3	P08590	MYL3
4105	Myosin light chain 5	Q02045	MYL5
4106	Myosin light chain 6B	P14649	MYL6B
4107	Myosin light chain 6B	P14649	MYL6B
4108	Myosin light polypeptide 4	P12829	MYL4
4109	Myosin light polypeptide 6	P60660	MYL6
4110	Myosin regulatory light chain 12A	P19105	MYL12A
4111	Myosin regulatory light chain 12B	O14950	MYL12B
4112	Myosin regulatory light chain 2, atrial isoform	Q01449	MYL7
4113	Myosin regulatory light chain 2, skeletal muscle isoform	Q96A32	MYLPF
4114	Myosin, light chain 9, regulatory	P24844	MYL9

#	Human Target or Analyte	UniProt ID	GeneID
4115	Myosin-binding protein C, cardiac-type	Q14896	MYBPC3
4116	Myosin-binding protein C, fast-type	Q14324	MYBPC2
4117	Myosin-binding protein C, slow-type	Q00872	MYBPC1
4118	Myosin-binding protein H	Q13203	MYBPH
4119	Myotubularin-related protein 1	Q13613	MTMR1
4120	Myotubularin-related protein 6	Q9Y217	MTMR6
4121	Myotubularin-related protein 7	Q9Y216	MTMR7
4122	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase	P20933	AGA
4123	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	O94760	DDAH1
4124	N6-adenosine-methyltransferase 70 kDa subunit	Q86U44	METTL3
4125	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	Q5T2W1	PDZK1
4126	N-acetylated-alpha-linked acidic dipeptidase 2	Q9Y3Q0	NAALAD2
4127	N-acetylated-alpha-linked acidic dipeptidase-like protein	Q9UQQ1	NAALADL1
4128	N-acetyl-D-glucosamine kinase	Q9UJ70	NAGK
4129	N-acetylgalactosamine kinase	Q01415	GALK2
4130	N-acetylgalactosamine-6-sulfatase	P34059	GALNS
4131	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Q9UK23	NAGPA
4132	N-acetylglucosamine-1-phosphotransferase subunit gamma	Q9UJJ9	GNPTG
4133	N-acetylglucosamine-6-sulfatase	P15586	GNS
4134	N-acetylglucosamine-6-sulfatase	P15586	GNS
4135	N-acetylglutamate synthase, mitochondrial	Q8N159	NAGS
4136	N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 2	Q9NY97	B3GNT2
4137	N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 4	Q9C0J1	B3GNT4
4138	N-acetyllactosaminide beta-1,6-N-acetylglucosaminyl-transferase, isoform C	Q8NFS9	None
4139	N-acetylmuramoyl-L-alanine amidase	Q96PD5	PGLYRP2
4140	N-acetylneuraminate lyase	Q9BXD5	NPL
4141	N-acetylserotonin O-methyltransferase-like protein	O95671	ASMTL
4142	N-acetyltransferase 14	Q8WUY8	NAT14
4143	N-acetyltransferase 5	P61599	NAA20
4144	N-acetyltransferase 6	Q93015	NAA80
4145	NACHT, LRR and PYD domains-containing protein 1	Q9C000	NLRP1
4146	NACHT, LRR and PYD domains-containing protein 10	Q86W26	NLRP10



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#	Human Target or Analyte	UniProt ID	GeneID
4147	NACHT, LRR and PYD domains-containing protein 4	Q96MN2	NLRP4
4148	N-acylethanolamine-hydrolyzing acid amidase	Q02083	NAAA
4149	N-acetylneuraminate-9-phosphatase	Q8TBE9	NANP
4150	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D	Q6IQ20	NAPEPLD
4151	NAD kinase	O95544	NADK
4152	NAD kinase 2, mitochondrial	Q4G0N4	NADK2
4153	NAD(P)H dehydrogenase [quinone] 1	P15559	NQO1
4154	NAD(P)H-hydrate epimerase	Q8NCW5	NAXE
4155	NAD-dependent malic enzyme, mitochondrial	P23368	ME2
4156	NAD-dependent protein deacetylase sirtuin-1	Q96EB6	SIRT1
4157	NAD-dependent protein deacetylase sirtuin-2	Q8IXJ6	SIRT2
4158	NAD-dependent protein deacetylase sirtuin-2	Q8IXJ6	SIRT2
4159	NAD-dependent protein deacetylase sirtuin-3, mitochondrial	Q9NTG7	SIRT3
4160	NAD-dependent protein deacetylase sirtuin-5, mitochondrial	Q9NXA8	SIRT5
4161	NADH dehydrogenase	O95139	NDUFB6
4162	NADH dehydrogenase	O96000	NDUFB10
4163	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3	Q9BU61	NDUFAF3
4164	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	O43678	NDUFA2
4165	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	Q16718	NDUFA5
4166	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial	Q9NX14	NDUFB11
4167	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	O95168	NDUFB4
4168	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial	O95169	NDUFB8
4169	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	P19404	NDUFV2
4170	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial	O43181	NDUFS4
4171	NADH-cytochrome b5 reductase 1	Q9UHQ9	CYB5R1
4172	NADH-cytochrome b5 reductase 2	Q6BCY4	CYB5R2
4173	NADH-cytochrome b5 reductase 3	P00387	CYB5R3
4174	NADP-dependent malic enzyme	P48163	ME1
4175	NADPH-cytochrome P450 reductase	P16435	POR
4176	N-alpha-acetyltransferase 10	P41227	NAA10
4177	N-alpha-acetyltransferase 50	Q9GZZ1	NAA50
4178	Nardilysin	O43847	NRDC

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4179	Nascent polypeptide-associated complex subunit alpha	Q13765	NACA
4180	Natriuretic peptides B	P16860	NPPB
4181	Natural cytotoxicity triggering receptor 1	O76036	NCR1
4182	Natural cytotoxicity triggering receptor 1	O76036	NCR1
4183	Natural cytotoxicity triggering receptor 2	O95944	NCR2
4184	Natural cytotoxicity triggering receptor 3	O14931	NCR3
4185	Natural cytotoxicity triggering receptor 3 ligand 1	Q68D85	NCR3LG1
4186	Natural killer cell receptor 2B4	Q9BZW8	CD244
4187	N-chimaerin	P15882	CHN1
4188	NCK-interacting protein with SH3 domain	Q9NZQ3	NCKIPSD
4189	Nectin-1, isoform gamma:Cytoplasmic domain	Q15223	NECTIN1
4190	Nectin-1, isoform gamma:Extracellular domain	Q15223	NECTIN1
4191	Nectin-1, isoform gamma:Extracellular domain	Q15223	NECTIN1
4192	Nectin-2	Q92692	NECTIN2
4193	Nectin-3	Q9NQS3	NECTIN3
4194	Nectin-4	Q96NY8	NECTIN4
4195	NEDD4-binding protein 2-like 2	Q92802	N4BP2L2
4196	NEDD4-like E3 ubiquitin-protein ligase WWP1	Q9H0M0	WWP1
4197	NEDD4-like E3 ubiquitin-protein ligase WWP2	O00308	WWP2
4198	NEDD8 ultimate buster 1	Q9Y5A7	NUB1
4199	NEDD8-activating enzyme E1 catalytic subunit	Q8TBC4	UBA3
4200	NEDD8-activating enzyme E1 regulatory subunit	Q13564	NAE1
4201	NEDD8-conjugating enzyme Ubc12	P61081	UBE2M
4202	NEDD8-conjugating enzyme UBE2F	Q969M7	UBE2F
4203	Negative elongation factor A	Q9H3P2	NELFA
4204	Negative elongation factor E	P18615	NELFE
4205	Neogenin	Q92859	NEO1
4206	Nephronectin	Q6UXI9	NPNT
4207	Neprilysin	P08473	MME
4208	Nesprin-2	Q8WXH0	SYNE2
4209	Netrin receptor UNC5A	Q6ZN44	UNC5A
4210	Netrin receptor UNC5B	Q8IZJ1	UNC5B



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4211	Netrin receptor UNC5B	Q8IZJ1	UNC5B
4212	Netrin receptor UNC5B	Q8IZJ1	UNC5B
4213	Netrin receptor UNC5C	O95185	UNC5C
4214	Netrin receptor UNC5D	Q6UXZ4	UNC5D
4215	Netrin receptor UNC5D	Q6UXZ4	UNC5D
4216	Netrin receptor UNC5D	Q6UXZ4	UNC5D
4217	Netrin-1	O95631	NTN1
4218	Netrin-1	O95631	NTN1
4219	Netrin-4	Q9HB63	NTN4
4220	Netrin-G1	Q9Y2I2	NTNG1
4221	Neudesin	Q9UMX5	NENF
4222	Neuferricin	Q8WUJ1	CYB5D2
4223	Neugrin	Q9NPE2	NGRN
4224	Neurabin-2	Q96SB3	PPP1R9B
4225	Neural cell adhesion molecule 1	P13591	NCAM1
4226	Neural cell adhesion molecule 1, 120 kDa isoform	P13591	NCAM1
4227	Neural cell adhesion molecule 2	O15394	NCAM2
4228	Neural cell adhesion molecule L1	P32004	L1CAM
4229	Neural cell adhesion molecule L1-like protein	O00533	CHL1
4230	Neural cell adhesion molecule L1-like protein	O00533	CHL1
4231	Neural proliferation differentiation and control protein 1	Q9NQX5	NPDC1
4232	Neural retina-specific leucine zipper protein	P54845	NRL
4233	Neural Wiskott-Aldrich syndrome protein	O00401	WASL
4234	Neuralized-like protein 4	Q96JN8	NEURL4
4235	Neuregulin-1	Q02297	NRG1
4236	Neuregulin-1, sensory and motor neuron-derived factor isoform	Q02297	NRG1
4237	Neuregulin-4	Q8WWG1	NRG4
4238	Neurensin-1	Q8IZ57	NRSN1
4239	Neurexin-1	Q9ULB1	NRXN1
4240	Neurexin-1-beta	P58400	NRXN1
4241	Neurexin-1-beta	P58400	NRXN1
4242	Neurexin-2-beta	P58401	NRXN2

#	Human Target or Analyte	UniProt ID	GeneID
4243	Neurexin-3	Q9Y4C0	NRXN3
4244	Neurexin-3-beta	Q9HDB5	NRXN3
4245	Neurexophilin-1	P58417	NXPH1
4246	Neurexophilin-1	P58417	NXPH1
4247	Neurexophilin-2	O95156	NXPH2
4248	Neurexophilin-3	O95157	NXPH3
4249	Neuritin-like protein	Q496H8	NRN1L
4250	Neuroblastoma suppressor of tumorigenicity 1	P41271	NBL1
4251	Neurocalcin-delta	P61601	NCALD
4252	Neurocan core protein	O14594	NCAN
4253	Neuroendocrine convertase 1	P29120	PCSK1
4254	Neuroendocrine convertase 2	P16519	PCSK2
4255	Neuroendocrine convertase 2	P16519	PCSK2
4256	Neuroendocrine protein 7B2	P05408	SCG5
4257	Neuroendocrine secretory protein 55	O95467	GNAS
4258	Neuroepithelial cell-transforming gene 1 protein	Q7Z628	NET1
4259	Neurofascin	O94856	NFASC
4260	Neurofilament heavy polypeptide	P12036	NEFH
4261	Neurofilament light polypeptide	P07196	NEFL
4262	Neurogenic locus notch homolog protein 1	P46531	NOTCH1
4263	Neurogenic locus notch homolog protein 2	Q04721	NOTCH2
4264	Neurogenic locus notch homolog protein 2	Q04721	NOTCH2
4265	Neurogenic locus notch homolog protein 2	Q04721	NOTCH2
4266	Neurogenic locus notch homolog protein 3	Q9UM47	NOTCH3
4267	Neurogenin-1	Q92886	NEUROG1
4268	Neurogenin-3	Q9Y4Z2	NEUROG3
4269	Neurogranin	Q92686	NRGN
4270	Neuroguidin	Q8NEJ9	NGDN
4271	Neuroligin-1	Q8N2Q7	NLGN1
4272	Neuroligin-1	Q8N2Q7	NLGN1
4273	Neuroligin-1	Q8N2Q7	NLGN1
4274	Neuroligin-2:Cytoplasmic domain	Q8NFZ4	NLGN2

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4275	Neuroligin-2:Extracellular domain	Q8NFZ4	NLGN2
4276	Neuroligin-3	Q9NZ94	NLGN3
4277	Neuroligin-3	Q9NZ94	NLGN3
4278	Neuroligin-4, X-linked	Q8N0W4	NLGN4X
4279	Neuroligin-4, Y-linked	Q8NFZ3	NLGN4Y
4280	Neuromedin-B	P08949	NMB
4281	Neuromedin-S	Q5H8A3	NMS
4282	Neuromedin-U	P48645	NMU
4283	Neuromodulin	P17677	GAP43
4284	Neuronal acetylcholine receptor subunit alpha-5	P30532	CHRNA5
4285	Neuronal acetylcholine receptor subunit beta-3	Q05901	CHRNB3
4286	Neuronal cell adhesion molecule	Q92823	NRCAM
4287	Neuronal growth regulator 1	Q7Z3B1	NEGR1
4288	Neuronal growth regulator 1	Q7Z3B1	NEGR1
4289	Neuronal pentraxin receptor	O95502	NPTXR
4290	Neuronal pentraxin receptor	O95502	NPTXR
4291	Neuronal pentraxin-1	Q15818	NPTX1
4292	Neuronal pentraxin-2	P47972	NPTX2
4293	Neuronal regeneration-related protein	Q16612	NREP
4294	Neuronal-specific septin-3	Q9UH03	SEPTIN3
4295	Neuronatin	Q16517	NNAT
4296	Neuron-specific vesicular protein calcyon	Q9NYX4	CALY
4297	Neuropeptide S	P0C0P6	NPS
4298	Neuropeptide W	Q8N729	NPW
4299	Neuropeptide Y	P01303	NPY
4300	Neuropilin and tolloid-like protein 1	Q8TDF5	NETO1
4301	Neuropilin and tolloid-like protein 1	Q8TDF5	NETO1
4302	Neuropilin and tolloid-like protein 2	Q8NC67	NETO2
4303	Neuropilin-1	O14786	NRP1
4304	Neuropilin-1	O14786	NRP1
4305	Neuropilin-2	O60462	NRP2
4306	Neuropilin-2	O60462	NRP2



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4307	Neuroplastin	Q9Y639	NPTN
4308	Neurotensin/neuromedin N	P30990	NTS
4309	Neurotrimin	Q9P121	NTM
4310	Neurotrimin	Q9P121	NTM
4311	Neurotrimin	Q9P121	NTM
4312	Neurotrophin-3	P20783	NTF3
4313	Neurotrophin-4	P34130	NTF4
4314	Neutral and basic amino acid transport protein rBAT	Q07837	SLC3A1
4315	Neutral ceramidase	Q9NR71	ASAH2
4316	Neutrophil collagenase	P22894	MMP8
4317	Neutrophil collagenase	P22894	MMP8
4318	Neutrophil cytosol factor 1	P14598	NCF1
4319	Neutrophil cytosol factor 2	P19878	NCF2
4320	Neutrophil cytosol factor 4	Q15080	NCF4
4321	Neutrophil defensin 1	P59665	DEFA1
4322	Neutrophil defensin 1	P59665	DEFA1
4323	Neutrophil defensin 3	P59666	DEFA3
4324	Neutrophil elastase	P08246	ELANE
4325	Neutrophil gelatinase-associated lipocalin	P80188	LCN2
4326	Neutrophil-activating peptide 2	P02775	PPBP
4327	Next to BRCA1 gene 1 protein	Q14596	NBR1
4328	NF-kappa-B inhibitor alpha	P25963	NFKBIA
4329	NF-kappa-B inhibitor beta	Q15653	NFKBIB
4330	NF-kappa-B inhibitor delta	Q8NI38	NFKBID
4331	NF-kappa-B inhibitor-interacting Ras-like protein 1	Q9NYS0	NKIRAS1
4332	NF-kappa-B inhibitor-interacting Ras-like protein 2	Q9NYR9	NKIRAS2
4333	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	Q9UMS0	NFU1
4334	NGFI-A-binding protein 1	Q13506	NAB1
4335	NGFI-A-binding protein 2	Q15742	NAB2
4336	N-glycosylase/DNA lyase	O15527	OGG1
4337	NHL repeat-containing protein 2	Q8NBF2	NHLRC2
4338	NHL repeat-containing protein 3	Q5JS37	NHLRC3

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4339	NHP2-like protein 1	P55769	SNU13
4340	Nicotinamide N-methyltransferase	P40261	NNMT
4341	Nicotinamide phosphoribosyltransferase	P43490	NAMPT
4342	Nicotinamide riboside kinase 1	Q9NWW6	NMRK1
4343	Nicotinamide riboside kinase 2; Short=NRK 2; Short=NmR-K 2; EC=2.7.1.22	Q9NPI5	NMRK2
4344	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1	Q9HAN9	NMNAT1
4345	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	Q15274	QPRT
4346	Nidogen-1	P14543	NID1
4347	Nidogen-2	Q14112	NID2
4348	Nidogen-2	Q14112	NID2
4349	NIF3-like protein 1	Q9GZT8	NIF3L1
4350	Nischarin	Q9Y2I1	NISCH
4351	Nitric oxide synthase-interacting protein	Q9Y3I4	NOSIP
4352	NKG2-A/NKG2-B type II integral membrane protein	P26715	KLRC1
4353	NKG2D ligand 1	Q9BZM6	ULBP1
4354	NKG2D ligand 1	Q9BZM6	ULBP1
4355	NKG2D ligand 2	Q9BZM5	ULBP2
4356	NKG2D ligand 2	Q9BZM5	ULBP2
4357	NKG2D ligand 3	Q9BZM4	ULBP3
4358	NKG2-D type II integral membrane protein	P26718	KLRK1
4359	NKG2-D type II integral membrane protein	P26718	KLRK1
4360	NKG2-E type II integral membrane protein:Isoform E, Extracellular domain	Q07444	KLRC3
4361	NKG2-E type II integral membrane protein:Isoform H, Cytoplasmic domain	Q07444	KLRC3
4362	NKG2-F type II integral membrane protein	O43908	KLRC4
4363	N-lysine methyltransferase SMYD2	Q9NRG4	SMYD2
4364	NmrA-like family domain-containing protein 1	Q9HBL8	NMRAL1
4365	N-myc-interactor	Q13287	NMI
4366	Nodal homolog	Q96S42	NODAL
4367	Nodal modulator 2	Q5JPE7	NOMO2
4368	Noelin	Q99784	OLFM1
4369	Noelin-2	O95897	OLFM2
4370	Noelin-2	O95897	OLFM2



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4371	Noelin-3:Isoform 2, C-term	Q96PB7	OLFM3
4372	Noelin-3:Isoform 2, N-term	Q96PB7	OLFM3
4373	Noggin	Q13253	NOG
4374	Noggin	Q13253	NOG
4375	Noncompact myelin-associated protein	Q5T1S8	NCMAP
4376	Non-histone chromosomal protein HMG-14	P05114	HMGN1
4377	Non-homologous end-joining factor 1	Q9H9Q4	NHEJ1
4378	Non-POU domain-containing octamer-binding protein	Q15233	NONO
4379	Non-receptor tyrosine-protein kinase TYK2	P29597	TYK2
4380	Non-secretory ribonuclease	P10153	RNASE2
4381	Nonspecific lipid-transfer protein:isoform 6	P22307	SCP2
4382	Nonspecific lipid-transfer protein:isoform SCPx	P22307	SCP2
4383	Non-structural maintenance of chromosomes element 1 homolog	Q8WV22	NSMCE1
4384	Normal mucosa of esophagus-specific gene 1 protein	Q9C002	NMES1
4385	Norrin	Q00604	NDP
4386	NOS	P29474	NOS3
4387	NSFL1cofactor p47	Q9UNZ2	NSFL1C
4388	N-sulphoglucosamine sulphohydrolase	P51688	SGSH
4389	NT-3 growth factor receptor	Q16288	NTRK3
4390	N-terminal EF-hand calcium-binding protein 1	Q8N987	NECAB1
4391	N-terminal EF-hand calcium-binding protein 3	Q96P71	NECAB3
4392	N-terminal pro-BNP	P16860	NPPB
4393	N-terminal Xaa-Pro-Lys N-methyltransferase 1	Q9BV86	NTMT1
4394	NTF2-related export protein 1	Q9UKK6	NXT1
4395	NTF2-related export protein 2	Q9NPJ8	NXT2
4396	Nuclear apoptosis-inducing factor 1	Q69YI7	NAIF1
4397	Nuclear cap-binding protein subunit 1	Q09161	NCBP1
4398	Nuclear cap-binding protein subunit 2	P52298	NCBP2
4399	Nuclear distribution protein nudE homolog 1	Q9NXR1	NDE1
4400	Nuclear distribution protein nudE-like 1	Q9GZM8	NDEL1
4401	Nuclear envelope phosphatase-regulatory subunit 1	Q8N9A8	CNEP1R1
4402	Nuclear factor 1A-type	Q12857	NFIA

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4403	Nuclear factor erythroid 2-related factor 1	Q14494	NFE2L1
4404	Nuclear factor erythroid 2-related factor 2	Q16236	NFE2L2
4405	Nuclear factor NF-kappa-B p105 subunit	P19838	NFKB1
4406	Nuclear factor of activated T-cells, cytoplasmic 1	O95644	NFATC1
4407	Nuclear factor of activated T-cells, cytoplasmic 4	Q14934	NFATC4
4408	Nuclear inhibitor of protein phosphatase 1	Q12972	PPP1R8
4409	Nuclear migration protein nudC:CS domain	Q9Y266	NUDC
4410	Nuclear migration protein nudC:N-term, contains nuclear localization domain	Q9Y266	NUDC
4411	Nuclear nucleic acid-binding protein C1D	Q13901	C1D
4412	Nuclear pore complex protein Nup98-Nup96	P52948	NUP98
4413	Nuclear pore complex-interacting protein family member B3	Q92617	NPIPB3
4414	Nuclear pore membrane glycoprotein 210-like	Q5VU65	NUP210L
4415	Nuclear prelamin A recognition factor	Q9UHQ1	NARF
4416	Nuclear protein localization protein 4 homolog	Q8TAT6	NPLOC4
4417	Nuclear protein MDM1	Q8TC05	MDM1
4418	Nuclear receptor 0B2	Q15466	NR0B2
4419	Nuclear receptor 2C2-associated protein	Q86WQ0	NR2C2AP
4420	Nuclear receptor coactivator 2	Q15596	NCOA2
4421	Nuclear receptor coactivator 7	Q8NI08	NCOA7
4422	Nuclear receptor ROR-beta	Q92753	RORB
4423	Nuclear receptor ROR-gamma	P51449	RORC
4424	Nuclear receptor subfamily 1 group D member 1	P20393	NR1D1
4425	Nuclear receptor subfamily 1 group D member 2	Q14995	NR1D2
4426	Nuclear receptor subfamily 4 group A member 1	P22736	NR4A1
4427	Nuclear receptor subfamily 5 group A member 2	O00482	NR5A2
4428	Nuclear receptor-binding factor 2	Q96F24	NRBF2
4429	Nuclear receptor-binding protein	Q9UHY1	NRBP1
4430	Nuclear receptor-interacting protein 3	Q9NQ35	NRIP3
4431	Nuclear RNA export factor 1	Q9UBU9	NXF1
4432	Nuclear transcription factor Y subunit alpha	P23511	NFYA
4433	Nuclear transport factor 2	P61970	NUTF2
4434	Nuclear valosin-containing protein-like	O15381	NVL

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4435	Nuclease EXOG, mitochondrial	Q9Y2C4	EXOG
4436	Nuclease-sensitive element-binding protein 1	P67809	YBX1
4437	Nucleobindin-1	Q02818	NUCB1
4438	Nucleobindin-2	P80303	NUCB2
4439	Nucleolar protein 16	Q9Y3C1	NOP16
4440	Nucleolar protein of 40 kDa	Q9NP64	ZCCHC17
4441	Nucleolin	P19338	NCL
4442	Nucleolysin TIA-1 isoform p40	P31483	TIA1
4443	Nucleolysin TIAR	Q01085	TIAL1
4444	Nucleophosmin	P06748	NPM1
4445	Nucleophosmin	P06748	NPM1
4446	Nucleoplasmin-2	Q86SE8	NPM2
4447	Nucleoporin NUP53	Q8NFH5	NUP35
4448	Nucleoside diphosphate kinase 7	Q9Y5B8	NME7
4449	Nucleoside diphosphate kinase A	P15531	NME1
4450	Nucleoside diphosphate kinase B	P22392	NME2
4451	Nucleoside diphosphate kinase, mitochondrial	O00746	NME4
4452	Nucleosome assembly protein 1-like 1	P55209	NAP1L1
4453	Nucleosome assembly protein 1-like 2	Q9ULW6	NAP1L2
4454	nucleosome assembly protein 1-like 4	Q99733	NAP1L4
4455	Nucleosome-remodeling factor subunit BPTF	Q12830	BPTF
4456	Nucleotide exchange factor SIL1	Q9H173	SIL1
4457	Nucleotide triphosphate diphosphatase NUDT15	Q9NV35	NUDT15
4458	Nucleotide-binding protein 1	P53384	NUBP1
4459	NudC domain-containing protein 2	Q8WVJ2	NUDCD2
4460	NudC domain-containing protein 3	Q8IVD9	NUCD3
4461	Numb-like protein	Q9Y6R0	NUMBL
4462	Nutritionally-regulated adipose and cardiac enriched protein homolog	Q8N912	NRAC
4463	O-acetyl-ADP-ribose deacetylase MACROD1	Q9BQ69	MACROD1
4464	O-acetyl-ADP-ribose deacetylase MACROD2	A1Z1Q3	MACROD2
4465	Obestatin	Q9UBU3	GHRL
4466	Obg-like ATPase 1	Q9NTK5	OLA1

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4467	Occludin	Q16625	OCLN
4468	OCIA domain-containing protein 1	Q9NX40	OCIAD1
4469	OCIA domain-containing protein 1	Q9NX40	OCIAD1
4470	Odorant-binding protein 2a	Q9NY56	OBP2A
4471	Odorant-binding protein 2b	Q9NPH6	OBP2B
4472	Olfactomedin-4	Q6UX06	OLFM4
4473	Olfactomedin-like protein 1	Q6UWY5	OLFML1
4474	Olfactomedin-like protein 3	Q9NRN5	OLFML3
4475	Olfactomedin-like protein 3	Q9NRN5	OLFML3
4476	Olfactory marker protein	P47874	OMP
4477	Oligodendrocyte transcription factor 1	Q8TAK6	OLIG1
4478	Oligodendrocyte-myelin glycoprotein	P23515	OMG
4479	Oligophrenin-1	O60890	OPHN1
4480	Oligoribonuclease, mitochondrial	Q9Y3B8	REXO2
4481	Omega-amidase NIT2	Q9NQR4	NIT2
4482	Oncoprotein-induced transcript 3 protein	Q8WWZ8	OIT3
4483	Oncostatin-M	P13725	OSM
4484	Oncostatin-M	P13725	OSM
4485	Oncostatin-M-specific receptor subunit beta	Q99650	OSMR
4486	Oocyte-secreted protein 2	Q86WS3	OOSP2
4487	Opalin	Q96PE5	OPALIN
4488	O-phosphoseryl-tRNA(Sec) selenium transferase	Q9HD40	SEPSECS
4489	Opioid growth factor receptor	Q9NZT2	OGFR
4490	Opioid-binding protein/cell adhesion molecule	Q14982	OPCML
4491	Opioid-binding protein/cell adhesion molecule	Q14982	OPCML
4492	Opiorphin prepropeptide	Q99935	OPRPN
4493	Opticin	Q9UBM4	OPTC
4494	Oral cancer-overexpressed protein 1	Q8WV07	LTO1
4495	Orexigenic neuropeptide QRFP	P83859	QRFP
4496	Origin recognition complex subunit 6	Q9Y5N6	ORC6
4497	Ornithine aminotransferase, mitochondrial	P04181	OAT
4498	Ornithine carbamoyltransferase, mitochondrial	P00480	OTC

#	Human Target or Analyte	UniProt ID	GeneID
4499	Ornithine decarboxylase	P11926	ODC1
4500	Ornithine decarboxylase antizyme 1	P54368	OAZ1
4501	Orphan sodium- and chloride-dependent neurotransmitter transporter NTT5	Q9GZN6	SLC6A16
4502	Osteocalcin	P02818	BGLAP
4503	Osteocalcin	P02818	BGLAP
4504	Osteoclast-associated immunoglobulin-like receptor	Q8IYS5	OSCAR
4505	Osteoclast-associated immunoglobulin-like receptor	Q8IYS5	OSCAR
4506	Osteoclast-stimulating factor 1	Q92882	OSTF1
4507	Osteocrin	P61366	OSTN
4508	Osteomodulin	Q99983	OMD
4509	Osteomodulin	Q99983	OMD
4510	Osteopetrosis-associated transmembrane protein 1	Q86WC4	OSTM1
4511	Osteopontin	P10451	SPP1
4512	Otoraplin	Q9NRC9	OTOR
4513	OTU domain-containing protein 3	Q5T2D3	OTUD3
4514	OTU domain-containing protein 5	Q96G74	OTUD5
4515	OTU domain-containing protein 7B	Q6GQQ9	OTUD7B
4516	Out at first protein homolog	Q86UD1	OAF
4517	Ovarian cancer G-protein coupled receptor 1	Q15743	GPR68
4518	OX-2 membrane glycoprotein	P41217	CD200
4519	Oxidized low-density lipoprotein receptor 1	P78380	OLR1
4520	Oxidized low-density lipoprotein receptor 1	P78380	OLR1
4521	Oxidized low-density lipoprotein receptor 1	P78380	OLR1
4522	Oxidized Protein deglycase DJ-1	Q99497	PARK7
4523	Oxidoreductase HTATIP2	Q9BUP3	HTATIP2
4524	Oxidoreductase HTATIP2	Q9BUP3	HTATIP2
4525	Oxidoreductase-like domain-containing protein 1	Q5BKU9	OXLD1
4526	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	P36551	CPOX
4527	Oxysterol-binding protein 1	P22059	OSBP
4528	Oxysterol-binding protein-related protein 1	Q9BXW6	OSBPL1A
4529	Oxysterol-binding protein-related protein 11	Q9BXB4	OSBPL11
4530	Oxysterol-binding protein-related protein 9	Q96SU4	OSBPL9

#	Human Target or Analyte	UniProt ID	GeneID
4531	Oxysterols receptor LXR-beta	P55055	NR1H2
4532	Oxytocin-neurophysin 1	P01178	OXT
4533	Oxytocin-neurophysin 1	P01178	OXT
4534	P2X purinoceptor 6	O15547	P2RX6
4535	p53 and DNA damage-regulated protein 1	Q9NUG6	PDRG1
4536	PAI-2	P05120	SERPINB2
4537	Paired box protein Pax-3	P23760	PAX3
4538	Paired box protein Pax-4	O43316	PAX4
4539	Paired box protein Pax-8	Q06710	PAX8
4540	Paired immunoglobulin-like type 2 receptor alpha	Q9UKJ1	PILRA
4541	Paired immunoglobulin-like type 2 receptor alpha isoform FDF03-deltaTM	Q9UKJ1	PILRA
4542	Paired immunoglobulin-like type 2 receptor alpha isoform FDF03-M14	Q9UKJ1	PILRA
4543	Paired mesoderm homeobox protein 1	P54821	PRRX1
4544	Palmdelphin	Q9NP74	PALMD
4545	Palmitoleyl-protein carboxylesterase NOTUM	Q6P988	NOTUM
4546	Palmitoyl-protein thioesterase 1	P50897	PPT1
4547	Pancreatic alpha-amylase	P04746	AMY2A
4548	Pancreatic hormone	P01298	PPY
4549	Pancreatic lipase-related protein 2	P54317	PNLIPRP2
4550	Pancreatic lipase-related protein 2	P54317	PNLIPRP2
4551	Pancreatic triacylglycerol lipase	P16233	PNLIP
4552	Pantothenate kinase 1	Q8TE04	PANK1
4553	Pantothenate kinase 3	Q9H999	PANK3
4554	Papilin	O95428	PAPLN
4555	Pappalysin-1	Q13219	PAPPA
4556	Pappalysin-2	Q9BXP8	PAPPA2
4557	Paralemmin-1	O75781	PALM
4558	Paraneoplastic antigen Ma2	Q9UL42	PNMA2
4559	Paraoxonase 2	Q15165	PON2
4560	Paraspeckle component 1	Q8WXF1	PSPC1
4561	Parathyroid hormone	P01270	PTH
4562	Parathyroid hormone/parathyroid hormone-related peptide receptor	Q03431	PTH1R



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#	Human Target or Analyte	UniProt ID	GeneID
4563	Parathyroid Hormone1-34	P01270	PTH
4564	Parathyroid hormone-related protein	P12272	PTHLH
4565	Patatin-like phospholipase domain-containing protein 2	Q96AD5	PNPLA2
4566	Patched domain-containing protein 3	Q3KNS1	PTCHD3
4567	PAX-interacting protein 1	Q6ZW49	PAXIP1
4568	PAXIP1-associated protein 1	Q9BTK6	PAGR1
4569	PC4 and SFRS1-interacting protein	O75475	PSIP1
4570	PCNA-associated factor	Q15004	PCLAF
4571	PDZ and LIM domain protein 1	O00151	PDLIM1
4572	PDZ and LIM domain protein 3	Q53GG5	PDLIM3
4573	PDZ and LIM domain protein 4	P50479	PDLIM4
4574	PDZ and LIM domain protein 5	Q96HC4	PDLIM5
4575	PDZ domain-containing protein 11	Q5EBL8	PDZD11
4576	PDZ domain-containing protein 7	Q9H5P4	PDZD7
4577	PDZ domain-containing protein GIPC1	O14908	GIPC1
4578	PDZ domain-containing protein GIPC1	O14908	GIPC1
4579	PDZ domain-containing protein GIPC2	Q8TF65	GIPC2
4580	PDZ domain-containing protein MAGIX	Q9H6Y5	MAGIX
4581	PDZ domain-containing protein MAGIX	Q9H6Y5	MAGIX
4582	Peflin	Q9UBV8	PEF1
4583	Pentraxin-related protein PTX3	P26022	PTX3
4584	Pepsin A-4	P0DJ7	PGA4
4585	Peptidase inhibitor 15	O43692	PI15
4586	Peptide chain release factor 1-like, mitochondrial	Q9UGC7	MTRF1L
4587	Peptide YY	P10082	PYY
4588	Peptidoglycan recognition protein 1	O75594	PGLYRP1
4589	Peptidoglycan recognition protein 1	O75594	PGLYRP1
4590	Peptidoglycan recognition protein 3	Q96LB9	PGLYRP3
4591	Peptidoglycan recognition protein I-beta	Q96LB8	PGLYRP4
4592	Peptidyl-glycine alpha-amidating monooxygenase	P19021	PAM
4593	Peptidyl-prolyl cis-trans isomerase A	P62937	PPIA
4594	Peptidyl-prolyl cis-trans isomerase A-like 4D	F5H284	None

#	Human Target or Analyte	UniProt ID	GeneID
4595	Peptidyl-prolyl cis-trans isomerase B	P23284	PPIB
4596	Peptidyl-prolyl cis-trans isomerase C	P45877	PPIC
4597	Peptidyl-prolyl cis-trans isomerase D	Q08752	PPID
4598	Peptidyl-prolyl cis-trans isomerase E	Q9UNP9	PPIE
4599	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	P30405	PPIF
4600	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	P30405	PPIF
4601	Peptidyl-prolyl cis-trans isomerase FKBP14	Q9NWM8	FKBP14
4602	Peptidyl-prolyl cis-trans isomerase FKBP1B	P68106	FKBP1B
4603	Peptidyl-prolyl cis-trans isomerase FKBP2	P26885	FKBP2
4604	Peptidyl-prolyl cis-trans isomerase FKBP3	Q00688	FKBP3
4605	Peptidyl-prolyl cis-trans isomerase FKBP4	Q02790	FKBP4
4606	Peptidyl-prolyl cis-trans isomerase FKBP7	Q9Y680	FKBP7
4607	Peptidyl-prolyl cis-trans isomerase G	Q13427	PPIG
4608	Peptidyl-prolyl cis-trans isomerase H	O43447	PPIH
4609	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	Q13526	PIN1
4610	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	Q13526	PIN1
4611	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4	Q9Y237	PIN4
4612	Peptidyl-prolyl cis-trans isomerase-like 1	Q9Y3C6	PPIL1
4613	Peptidyl-prolyl cis-trans isomerase-like 2	Q13356	PPIL2
4614	Peptidyl-prolyl cis-trans isomerase-like 3	Q9H2H8	PPIL3
4615	Peptidyl-tRNA hydrolase 2, mitochondrial	Q9Y3E5	PTRH2
4616	Peptidyl-tRNA hydrolase ICT1, mitochondrial	Q14197	MRPL58
4617	Peregrin	P55201	BRPF1
4618	Periaxin	Q9BXMO	PRX
4619	Perilipin-3	O60664	PLIN3
4620	Periostin	Q15063	POSTN
4621	Periostin	Q15063	POSTN
4622	Peripheral plasma membrane protein CASK	O14936	CASK
4623	Peroxidasin homolog	Q92626	PXDN
4624	Peroxidasin-like protein	A1KZ92	PXDNL
4625	Peroxiredoxin-1	Q06830	PRDX1
4626	Peroxiredoxin-4	Q13162	PRDX4



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4627	Peroxiredoxin-5, mitochondrial	P30044	PRDX5
4628	Peroxiredoxin-6	P30041	PRDX6
4629	Peroxisomal 2,4-dienoyl-CoA reductase	Q9NUI1	DECR2
4630	Peroxisomal acyl-coenzyme A oxidase 1	Q15067	ACOX1
4631	Peroxisomal carnitine O-octanoyltransferase	Q9UKG9	CROT
4632	Peroxisomal coenzyme A diphosphatase NUDT7	P0C024	NUDT7
4633	Peroxisomal membrane protein PEX14:C-term	O75381	PEX14
4634	Peroxisomal membrane protein PEX14:N-term	O75381	PEX14
4635	Peroxisomal multifunctional enzyme type 2	P51659	HSD17B4
4636	Peroxisomal NADH pyrophosphatase NUDT12	Q9BQG2	NUDT12
4637	Peroxisomal sarcosine oxidase	Q9P0Z9	PIPOX
4638	Peroxisomal targeting signal 1 receptor	P50542	PEX5
4639	Peroxisomal trans-2-enoyl-CoA reductase	Q9BY49	PECR
4640	Peroxisome assembly protein 26	Q7Z412	PEX26
4641	Peroxisome proliferator activated receptor gamma	P37231	PPARG
4642	Peroxisome proliferator-activated receptor alpha	Q07869	PPARA
4643	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha	Q9UBK2	PPARGC1A
4644	Persephin	O60542	PSPN
4645	Persulfide dioxygenase ETHE1, mitochondrial	O95571	ETHE1
4646	Pescadillo homolog	O00541	PES1
4647	PEST proteolytic signal-containing nuclear protein	Q8WW12	PCNP
4648	PGM5	Q15124	PGM5
4649	PH and SEC7 domain-containing protein 1	A5PKW4	PSD
4650	PH and SEC7 domain-containing protein 2	Q9BQI7	PSD2
4651	PHD finger protein 11	Q9UIL8	PHF11
4652	PHD finger protein 3	Q92576	PHF3
4653	PHD finger protein 6	Q8IWS0	PHF6
4654	Phenylalanine--tRNA ligase, mitochondrial	O95363	FARS2
4655	Phenylethanolamine N-methyltransferase	P11086	PNMT
4656	Phosducin-like protein	Q13371	PDCL
4657	Phosducin-like protein 2	Q8N4E4	PDCL2
4658	Phosducin-like protein 3	Q9H2J4	PDCL3

#	Human Target or Analyte	UniProt ID	GeneID
4659	Phosphate-regulating neutral endopeptidase	P78562	PHEX
4660	Phosphatidate phosphatase LPIN1	Q14693	LPIN1
4661	Phosphatidate phosphatase PPAPDC1A	Q5VZY2	PLPP4
4662	Phosphatidylcholine transfer protein	Q9UKL6	PCTP
4663	Phosphatidylcholine-sterol acyltransferase	P04180	LCAT
4664	Phosphatidylethanolamine-binding protein 1	P30086	PEBP1
4665	Phosphatidylglycerophosphatase and protein-tyrosine phosphatase 1	Q8WUK0	PTPMT1
4666	Phosphatidylinositide phosphatase SAC2	Q9Y2H2	INPP5F
4667	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	P60484	PTEN
4668	Phosphatidylinositol 3-kinase catalytic subunit type 3	Q8NEB9	PIK3C3
4669	Phosphatidylinositol 3-kinase regulatory subunit alpha	P27986	PIK3R1
4670	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	P48736	PIK3CG
4671	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha	O00443	PIK3C2A
4672	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	P48426	PIP4K2A
4673	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	P78356	PIP4K2B
4674	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	P78356	PIP4K2B
4675	Phosphatidylinositol transfer protein alpha isoform	Q00169	PITPNA
4676	Phosphatidylinositol transfer protein beta isoform	P48739	PITPNB
4677	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial	Q16822	PCK2
4678	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial	Q16822	PCK2
4679	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]	P35558	PCK1
4680	Phosphoethanolamine/phosphocholine phosphatase	Q8TCT1	PHOSPHO1
4681	Phosphoglucomutase-1	P36871	PGM1
4682	Phosphoglucomutase-2	Q96G03	PGM2
4683	Phosphoglycerate kinase 1	P00558	PGK1
4684	Phosphoglycerate kinase 2	P07205	PGK2
4685	Phosphoglycerate mutase 1	P18669	PGAM1
4686	Phosphoglycerate mutase 2	P15259	PGAM2
4687	Phosphoinositide 3-kinase adapter protein 1	Q6ZUJ8	PIK3AP1
4688	Phosphoinositide-3-kinase-interacting protein 1	Q96FE7	PIK3IP1
4689	Phospholipase A1 member A	Q53H76	PLA1A
4690	Phospholipase A2	P04054	PLA2G1B



#	Human Target or Analyte	UniProt ID	GeneID
4691	Phospholipase A2, membrane associated	P14555	PLA2G2A
4692	Phospholipase B-like 1	Q6P4A8	PLBD1
4693	Phospholipase D3	Q8IV08	PLD3
4694	Phospholipase DDHD2	O94830	DDHD2
4695	Phospholipid scramblase 3	Q9NRY6	PLSCR3
4696	Phospholipid transfer protein	P55058	PLTP
4697	Phospholipid transfer protein	P55058	PLTP
4698	Phosphomannomutase 1	Q92871	PMM1
4699	Phosphomannomutase 2	O15305	PMM2
4700	Phosphomevalonate kinase	Q15126	PMVK
4701	Phosphopantothenate--cysteine ligase	Q9HAB8	PPCS
4702	Phosphopantothenoylcysteine decarboxylase	Q96CD2	PPCDC
4703	Phosphoribosyl pyrophosphate synthase-associated protein 1	Q14558	PRPSAP1
4704	Phosphoribosyl pyrophosphate synthase-associated protein 2	O60256	PRPSAP2
4705	Phosphoribosyltransferase domain-containing protein 1	Q9NRG1	PRTFDC1
4706	Phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform	P46020	PHKA1
4707	Phosphoserine aminotransferase	Q9Y617	PSAT1
4708	Phosphoserine phosphatase	P78330	PSPH
4709	Phosphotriesterase-related protein	Q96BW5	PTER
4710	Phytanoyl-CoA dioxygenase domain-containing protein 1	Q5SRE7	PHYHD1
4711	Phytanoyl-CoA dioxygenase, peroxisomal	O14832	PHYH
4712	Phytanoyl-CoA hydroxylase-interacting protein	Q92561	PHYHIP
4713	Phytanoyl-CoA hydroxylase-interacting protein-like	Q96FC7	PHYHIPL
4714	Piezo-type mechanosensitive ion channel component 1	Q92508	PIEZO1
4715	Pigment epithelium-derived factor	P36955	SERPINF1
4716	Pigment epithelium-derived factor	P36955	SERPINF1
4717	PIH1 domain-containing protein 1	Q9NWS0	PIH1D1
4718	PIH1 domain-containing protein 2	Q8WWB5	PIH1D2
4719	PIK3CA/PIK3R1	P42336 P27986	PIK3CA PIK3R1
4720	Pikachurin	Q63HQ2	EGFLAM
4721	PILR alpha-associated neural protein	Q8IYJ0	PIANP
4722	PILR alpha-associated neural protein	Q8IYJ0	PIANP



#	Human Target or Analyte	UniProt ID	GeneID
4723	PI-PLC X domain-containing protein 3	Q63HM9	PLCXD3
4724	Pirin	O00625	PIR
4725	piRNA biogenesis protein EXD1	Q8NHP7	EXD1
4726	Pituitary adenylate cyclase-activating polypeptide	P18509	ADCYAP1
4727	Pituitary adenylate cyclase-activating polypeptide 27	P18509	ADCYAP1
4728	Pituitary adenylate cyclase-activating polypeptide 38	P18509	ADCYAP1
4729	Pituitary adenylate cyclase-activating polypeptide 38	P18509	ADCYAP1
4730	Pituitary adenylate cyclase-activating polypeptide type I receptor	P41586	ADCYAP1R1
4731	Pituitary homeobox 2	Q99697	PITX2
4732	Pituitary homeobox 3	O75364	PITX3
4733	Piwi-like protein 1	Q96J94	PIWIL1
4734	PLAC8-like protein 1	A1L4L8	PLAC8L1
4735	Placenta growth factor	P49763	PGF
4736	Plakophilin-2	Q99959	PKP2
4737	Plasma kallikrein	P03952	KLKB1
4738	Plasma protease C1 inhibitor	P05155	SERPING1
4739	Plasma protease C1 inhibitor	P05155	SERPING1
4740	Plasma serine protease inhibitor	P05154	SERPINA5
4741	Plasmalemma vesicle-associated protein	Q9BX97	PLVAP
4742	Plasmin	P00747	PLG
4743	Plasminogen	P00747	PLG
4744	Plasminogen activator inhibitor 1	P05121	SERPINE1
4745	Plastin-1	Q14651	PLS1
4746	Plastin-2	P13796	LCP1
4747	Plastin-2	P13796	LCP1
4748	Plastin-3	P13797	PLS3
4749	Platelet basic protein	P02775	PPBP
4750	Platelet endothelial aggregation receptor 1:Cytoplasmic domain	Q5VY43	PEAR1
4751	Platelet endothelial aggregation receptor 1:Extracellular domain	Q5VY43	PEAR1
4752	Platelet endothelial cell adhesion molecule	P16284	PECAM1
4753	Platelet factor 4	P02776	PF4
4754	Platelet factor 4 variant	P10720	PF4V1

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4755	Platelet glycoprotein 4	P16671	CD36
4756	Platelet glycoprotein Ib alpha chain	P07359	GP1BA
4757	Platelet glycoprotein Ib beta chain	P13224	GP1BB
4758	Platelet glycoprotein V	P40197	GP5
4759	Platelet glycoprotein VI	Q9HCN6	GP6
4760	Platelet-activating factor acetylhydrolase	Q13093	PLA2G7
4761	Platelet-activating factor acetylhydrolase 2, cytoplasmic	Q99487	PAFAH2
4762	Platelet-activating factor acetylhydrolase IB subunit beta	P68402	PAFAH1B2
4763	Platelet-activating factor acetylhydrolase IB subunit gamma	Q15102	PAFAH1B3
4764	Platelet-derived growth factor C	Q9NRA1	PDGFC
4765	Platelet-derived growth factor C	Q9NRA1	PDGFC
4766	Platelet-derived growth factor D	Q9GZP0	PDGFD
4767	Platelet-derived growth factor D	Q9GZP0	PDGFD
4768	Platelet-derived growth factor receptor alpha	P16234	PDGFRA
4769	Platelet-derived growth factor receptor beta	P09619	PDGFRB
4770	Platelet-derived growth factor receptor-like protein	Q15198	PDGFRL
4771	Platelet-derived growth factor subunit A	P04085	PDGFA
4772	Platelet-derived growth factor subunit B	P01127	PDGFB
4773	Pleckstrin	P08567	PLEK
4774	Pleckstrin homology domain-containing family A member 1	Q9HB21	PLEKHA1
4775	Pleckstrin homology domain-containing family A member 3	Q9HB20	PLEKHA3
4776	Pleckstrin homology domain-containing family A member 4	Q9H4M7	PLEKHA4
4777	Pleckstrin homology domain-containing family A member 7	Q6IQ23	PLEKHA7
4778	Pleckstrin homology domain-containing family B member 1	Q9UF11	PLEKHB1
4779	Pleckstrin homology domain-containing family F member 2	Q9H8W4	PLEKHF2
4780	Pleckstrin homology domain-containing family M member 2	Q8IWE5	PLEKHM2
4781	Pleckstrin homology domain-containing family O member 2	Q8TD55	PLEKHO2
4782	Pleiotrophin	P21246	PTN
4783	Plexin domain-containing protein 1	Q8IUK5	PLXDC1
4784	Plexin domain-containing protein 2:Cytoplasmic domain	Q6UX71	PLXDC2
4785	Plexin domain-containing protein 2:Extracellular domain	Q6UX71	PLXDC2
4786	Plexin-A1	Q9UIW2	PLXNA1



#	Human Target or Analyte	UniProt ID	GeneID
4787	Plexin-A4	Q9HCM2	PLXNA4
4788	Plexin-B2	O15031	PLXNB2
4789	Plexin-B2	O15031	PLXNB2
4790	Plexin-B3	Q9ULL4	PLXNB3
4791	Plexin-C1	O60486	PLXNC1
4792	Plexin-D1	Q9Y4D7	PLXND1
4793	Podocalyxin-like protein 2	Q9NZ53	PODXL2
4794	Poliovirus receptor	P15151	PVR
4795	Poly [ADP-ribose] polymerase 1:BRCA1 C-terminal:BRCA1 C-terminus domain	P09874	PARP1
4796	Poly [ADP-ribose] polymerase 1:region 1	P09874	PARP1
4797	Poly [ADP-ribose] polymerase 11	Q9NR21	PARP11
4798	Poly(A) polymerase gamma	Q9BWT3	PAPOLG
4799	Poly(A) RNA polymerase, mitochondrial	Q9NVV4	MTPAP
4800	Poly(ADP-ribose) glycohydrolase ARH3	Q9NX46	ADPRS
4801	Poly(rC)-binding protein 1	Q15365	PCBP1
4802	Poly(rC)-binding protein 2	Q15366	PCBP2
4803	Poly(rC)-binding protein 3	P57721	PCBP3
4804	Poly(U)-binding-splicing factor PUF60	Q9UHX1	PUF60
4805	Poly(U)-specific endoribonuclease	P21128	ENDOU
4806	Polyadenylate-binding protein 2	Q86U42	PABPN1
4807	Polyadenylate-binding protein 3	Q9H361	PABPC3
4808	Polyadenylate-binding protein 4	Q13310	PABPC4
4809	Polyadenylate-binding protein 5	Q96DU9	PABPC5
4810	Polyadenylate-binding protein-interacting protein 1	Q9H074	PAIP1
4811	Polyamine-modulated factor 1	Q6P1K2	PMF1
4812	Polycomb complex protein BMI-1	P35226	BMI1
4813	Polycomb protein EED	O75530	EED
4814	Polycomb protein SCMH1	Q96GD3	SCMH1
4815	Polycystin-2:Cytoplasmic domain 1	Q13563	PKD2
4816	Polycystin-2:Cytoplasmic domain 4	Q13563	PKD2
4817	Polyglutamine-binding protein 1	O60828	PQBP1
4818	Polymerase I and transcript release factor	Q6NZI2	CAVIN1

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4819	Polymeric immunoglobulin receptor	P01833	PIGR
4820	Polypeptide N-acetylgalactosaminyltransferase 1	Q10472	GALNT1
4821	Polypeptide N-acetylgalactosaminyltransferase 10	Q86SR1	GALNT10
4822	Polypeptide N-acetylgalactosaminyltransferase 11	Q8NCW6	GALNT11
4823	Polypeptide N-acetylgalactosaminyltransferase 13	Q8IUC8	GALNT13
4824	Polypeptide N-acetylgalactosaminyltransferase 14	Q96FL9	GALNT14
4825	Polypeptide N-acetylgalactosaminyltransferase 16	Q8N428	GALNT16
4826	Polypeptide N-acetylgalactosaminyltransferase 2	Q10471	GALNT2
4827	Polypeptide N-acetylgalactosaminyltransferase 3	Q14435	GALNT3
4828	Polypeptide N-acetylgalactosaminyltransferase 4	Q8N4A0	GALNT4
4829	Polypeptide N-acetylgalactosaminyltransferase 9	Q9HCQ5	GALNT9
4830	Polyphosphoinositide phosphatase	Q92562	FIG4
4831	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	Q8TCS8	PNPT1
4832	PolyUbiquitin K48-linked	P0CG47	UBB
4833	PolyUbiquitin K48-linked	P0CG47	UBB
4834	PolyUbiquitin K63-linked	P0CG48	UBC
4835	PolyUbiquitin K63-linked	P0CG48	UBC
4836	Porphobilinogen deaminase	P08397	HMBS
4837	Potassium voltage-gated channel subfamily A member 10	Q16322	KCNA10
4838	Potassium voltage-gated channel subfamily E member 3	Q9Y6H6	KCNE3
4839	Potassium voltage-gated channel subfamily E regulatory beta subunit 5:Cytoplasmic domain	Q9UJ90	KCNE5
4840	Potassium voltage-gated channel subfamily E regulatory beta subunit 5:N-term, opposite side of membrane	Q9UJ90	KCNE5
4841	Potassium voltage-gated channel subfamily F member 1	Q9H3M0	KCNF1
4842	Potassium voltage-gated channel subfamily G member 4	Q8TDN1	KCNG4
4843	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	O60741	HCN1
4844	Potassium-transporting ATPase subunit beta	P51164	ATP4B
4845	POTE ankyrin domain family member G	Q6S5H5	POTEG
4846	POU domain class 2-associating factor 1	Q16633	POU2AF1
4847	POU domain, class 2, transcription factor 1	P14859	POU2F1
4848	POU domain, class 6, transcription factor 1	Q14863	POU6F1
4849	PR domain zinc finger protein 1	O75626	PRDM1



#	Human Target or Analyte	UniProt ID	GeneID
4850	PR domain zinc finger protein 4	Q9UKN5	PRDM4
4851	PRA1 family protein 3	O75915	ARL6IP5
4852	Preferentially expressed antigen of melanoma	P78395	PRAME
4853	Prefoldin subunit 1	O60925	PFDN1
4854	Prefoldin subunit 2	Q9UHV9	PFDN2
4855	Prefoldin subunit 3	P61758	VBP1
4856	Prefoldin subunit 4	Q9NQP4	PFDN4
4857	Prefoldin subunit 5	Q99471	PFDN5
4858	Pregnancy zone protein	P20742	PZP
4859	Pregnancy-specific beta-1-glycoprotein 1	P11464	PSG1
4860	Pregnancy-specific beta-1-glycoprotein 11	Q9UQ72	PSG11
4861	Pregnancy-specific beta-1-glycoprotein 2	P11465	PSG2
4862	Pregnancy-specific beta-1-glycoprotein 3	Q16557	PSG3
4863	Pregnancy-specific beta-1-glycoprotein 4	Q00888	PSG4
4864	Pregnancy-specific beta-1-glycoprotein 5	Q15238	PSG5
4865	Pregnancy-specific beta-1-glycoprotein 6	Q00889	PSG6
4866	Pregnancy-specific beta-1-glycoprotein 8	Q9UQ74	PSG8
4867	Pregnancy-specific beta-1-glycoprotein 9	Q00887	PSG9
4868	Pre-miRNA 5'-monophosphate methyltransferase	Q7Z5W3	BCDIN3D
4869	Pre-mRNA-processing factor 19	Q9UMS4	PRPF19
4870	Pre-mRNA-processing factor 6:region 1	O94906	PRPF6
4871	Pre-mRNA-processing factor 6:region 2	O94906	PRPF6
4872	Pre-mRNA-splicing factor 18	Q99633	PRPF18
4873	Pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16	Q92620	DHX38
4874	Pre-mRNA-splicing factor RBM22	Q9NW64	RBM22
4875	Pre-mRNA-splicing factor SYF2	O95926	SYF2
4876	Pre-mRNA-splicing regulator WTAP	Q15007	WTAP
4877	Prenylcysteine oxidase 1	Q9UHG3	PCYOX1
4878	Prenylcysteine oxidase-like	Q8NBM8	PCYOX1L
4879	Prepronociceptin	Q13519	PNOC
4880	Pre-rRNA-processing protein TSR2 homolog	Q969E8	TSR2
4881	Prestin	P58743	SLC26A5



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4882	Prion-like protein doppel	Q9UKY0	PRND
4883	PRKC apoptosis WT1 regulator protein	Q96IZ0	PAWR
4884	PRKCA-binding protein	Q9NRD5	PICK1
4885	Proactivator polypeptide-like 1	Q6NUJ1	PSAPL1
4886	Probable aminopeptidase NPEPL1	Q8NDH3	NPEPL1
4887	Probable asparagine--tRNA ligase, mitochondrial	Q96I59	NARS2
4888	Probable ATP-dependent RNA helicase DDX23	Q9BUQ8	DDX23
4889	Probable ATP-dependent RNA helicase DDX46	Q7L014	DDX46
4890	Probable ATP-dependent RNA helicase DDX58	O95786	DDX58
4891	Probable ATP-dependent RNA helicase DDX6	P26196	DDX6
4892	Probable ATP-dependent RNA helicase DHX58	Q96C10	DHX58
4893	Probable bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase 2	Q9H903	MTHFD2L
4894	Probable carboxypeptidase X1	Q96SM3	CPXM1
4895	Probable cytosolic iron-sulfur protein assembly protein CIAO1	O76071	CIAO1
4896	Probable dimethyladenosine transferase	Q9UNQ2	DIMT1
4897	Probable E3 ubiquitin-protein ligase HECTD3	Q5T447	HECTD3
4898	Probable E3 ubiquitin-protein ligase HERC1	Q15751	HERC1
4899	Probable E3 ubiquitin-protein ligase HERC4	Q5GLZ8	HERC4
4900	Probable E3 ubiquitin-protein ligase MID2	Q9UJV3	MID2
4901	Probable E3 ubiquitin-protein ligase TRIML1	Q8N9V2	TRIML1
4902	Probable G-protein coupled receptor 101	Q96P66	GPR101
4903	Probable G-protein coupled receptor 101	Q96P66	GPR101
4904	Probable G-protein coupled receptor 135	Q8IZ08	GPR135
4905	Probable G-protein coupled receptor 142	Q7Z601	GPR142
4906	Probable inactive ribonuclease-like protein 13	Q5GAN3	RNASE13
4907	Probable inactive serine protease 37	A4D1T9	PRSS37
4908	Probable methyltransferase BMT2 homolog	Q1RMZ1	BMT2
4909	Probable palmitoyltransferase ZDHHC14	Q8IZN3	ZDHHC14
4910	Probable palmitoyltransferase ZDHHC4	Q9NPG8	ZDHHC4
4911	Probable peptide chain release factor C12orf65, mitochondrial	Q9H3J6	C12orf65
4912	Probable phosphoglycerate mutase 4	Q8N0Y7	PGAM4
4913	Probable RNA-binding protein 18	Q96H35	RBM18

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4914	Probable RNA-binding protein 19	Q9Y4C8	RBM19
4915	Probable RNA-binding protein 23	Q86U06	RBM23
4916	Probable RNA-binding protein 46	Q8TBY0	RBM46
4917	Probable RNA-binding protein EIF1AD	Q8N9N8	EIF1AD
4918	Probable serine carboxypeptidase CPVL	Q9H3G5	CPVL
4919	Probable transcription factor PML	P29590	PML
4920	Probable tRNA pseudouridine synthase 1	Q8WWH5	TRUB1
4921	Probable tRNA(His) guanylyltransferase	Q9NWX6	THG1L
4922	Probable Xaa-Pro aminopeptidase 3	Q9NQH7	XPNPEP3
4923	Procollagen C-endopeptidase enhancer 1	Q15113	PCOLCE
4924	Procollagen C-endopeptidase enhancer 2	Q9UKZ9	PCOLCE2
4925	Procollagen galactosyltransferase 1	Q8NBJ5	COLGALT1
4926	Procollagen galactosyltransferase 2	Q8IYK4	COLGALT2
4927	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	O00469	PLOD2
4928	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	O60568	PLOD3
4929	Proenkephalin-A	P01210	PENK
4930	Profilin-1	P07737	PFN1
4931	Profilin-2	P35080	PFN2
4932	Profilin-2	P35080	PFN2
4933	Profilin-4	Q8NHR9	PFN4
4934	Pro-FMRFamide-related neuropeptide FF	O15130	NPFF
4935	Progesterone receptor	P06401	PGR
4936	Progonadotropin-releasing hormone receptor	P01148	GNRH1
4937	Progonadotropin-releasing hormone receptor 2	O43555	GNRH2
4938	Programmed cell death 1 ligand 1	Q9NZQ7	CD274
4939	Programmed cell death 1 ligand 2	Q9BQ51	PDCD1LG2
4940	Programmed cell death 6-interacting protein	Q8WUM4	PDCD6IP
4941	Programmed cell death protein 1	Q15116	PDCD1
4942	Programmed cell death protein 1	Q15116	PDCD1
4943	Programmed cell death protein 4	Q53EL6	PDCD4
4944	Programmed cell death protein 5	O14737	PDCD5
4945	Programmed cell death protein 6	O75340	PDCD6

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4946	Prohibitin-2	Q99623	PHB2
4947	Prohibitin-2	Q99623	PHB2
4948	Prokineticin-1	P58294	PROK1
4949	Prokineticin-1	P58294	PROK1
4950	Prokineticin-2	Q9HC23	PROK2
4951	Prolactin	P01236	PRL
4952	Prolactin	P01236	PRL
4953	Prolactin receptor	P16471	PRLR
4954	Prolactin receptor	P16471	PRLR
4955	Prolactin-inducible protein	P12273	PIP
4956	Prolactin-releasing peptide	P81277	PRLH
4957	Proliferating cell nuclear antigen	P12004	PCNA
4958	Proliferating cell nuclear antigen	P12004	PCNA
4959	Proliferation-associated protein 2G4	Q9UQ80	PA2G4
4960	Proline synthase co-transcribed bacterial homolog protein	O94903	PLPBP
4961	Proline-rich AKT1 substrate 1	Q96B36	AKT1S1
4962	Proline-rich protein 15	Q8IV56	PRR15
4963	Proline-rich protein 27	Q6MZM9	PRR27
4964	Proline-rich transmembrane protein 2	Q7Z6L0	PRRT2
4965	Proline-serine-threonine phosphatase-interacting protein 1	O43586	PSTPIP1
4966	Prolow-density lipoprotein receptor-related protein 1	Q07954	LRP1
4967	Prolyl 3-hydroxylase 1	Q32P28	P3H1
4968	Prolyl 4-hydroxylase subunit alpha-1	P13674	P4HA1
4969	Prolyl 4-hydroxylase subunit alpha-2	O15460	P4HA2
4970	Prolyl endopeptidase	P48147	PREP
4971	Prolyl endopeptidase FAP	Q12884	FAP
4972	Promotilin	P12872	MLN
4973	Pro-neuregulin-2, membrane-bound isoform	O14511	NRG2
4974	Pro-neuregulin-3, membrane-bound isoform	P56975	NRG3
4975	Pro-neuregulin-3, membrane-bound isoform	P56975	NRG3
4976	Pro-opiomelanocortin	P01189	POMC
4977	Properdin	P27918	CFP

#	Human Target or Analyte	UniProt ID	GeneID
4978	Proprotein convertase subtilisin/kexin type 7	Q16549	PCSK7
4979	Proprotein convertase subtilisin/kexin type 9	Q8NBP7	PCSK9
4980	Proprotein convertase subtilisin/kexin type 9	Q8NBP7	PCSK9
4981	Prorelaxin H2	P04090	RLN2
4982	ProSAAS	Q9UHG2	PCSK1N
4983	Prosaposin	P07602	PSAP
4984	Prosaposin receptor GPR37	O15354	GPR37
4985	Prostaglandin E synthase 2	Q9H7Z7	PTGES2
4986	Prostaglandin E synthase 3	Q15185	PTGES3
4987	Prostaglandin F2 receptor negative regulator	Q9P2B2	PTGFRN
4988	Prostaglandin G/H synthase 2	P35354	PTGS2
4989	Prostaglandin reductase 1	Q14914	PTGR1
4990	Prostaglandin reductase 1	Q14914	PTGR1
4991	Prostaglandin reductase 2	Q8N8N7	PTGR2
4992	Prostaglandin reductase 3	Q8N4Q0	ZADH2
4993	Prostaglandin-H2 D-isomerase	P41222	PTGDS
4994	Prostasin	Q16651	PRSS8
4995	Prostasin	Q16651	PRSS8
4996	Prostate and testis expressed protein 1	Q8WXA2	PATE1
4997	Prostate and testis expressed protein 4	P0C8F1	PATE4
4998	Prostate-associated microseminoprotein	Q1L6U9	MSMP
4999	Prostate-specific antigen	P07288	KLK3
5000	Prostate-specific antigen	P07288	KLK3
5001	Prostate-specific antigen	P07288	KLK3
5002	Prostatic acid phosphatase	P15309	ACP3
5003	Protachykinin-1	P20366	TAC1
5004	Proteasomal ubiquitin receptor ADRM1	Q16186	ADRM1
5005	Proteasome activator complex subunit 1	Q06323	PSME1
5006	Proteasome activator complex subunit 2	Q9UL46	PSME2
5007	Proteasome activator complex subunit 3	P61289	PSME3
5008	Proteasome assembly chaperone 2	Q969U7	PSMG2
5009	Proteasome assembly chaperone 3	Q9BT73	PSMG3



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5010	Proteasome assembly chaperone 4	Q5JS54	PSMG4
5011	Proteasome subunit alpha type-1	P25786	PSMA1
5012	Proteasome subunit alpha type-1	P25786	PSMA1
5013	Proteasome subunit alpha type-2	P25787	PSMA2
5014	Proteasome subunit alpha type-3	P25788	PSMA3
5015	Proteasome subunit alpha type-4	P25789	PSMA4
5016	Proteasome subunit alpha type-5	P28066	PSMA5
5017	Proteasome subunit alpha type-6	P60900	PSMA6
5018	Proteasome subunit alpha type-7	O14818	PSMA7
5019	Proteasome subunit beta type 7	Q99436	PSMB7
5020	Proteasome subunit beta type-1	P20618	PSMB1
5021	Proteasome subunit beta type-10	P40306	PSMB10
5022	Proteasome subunit beta type-2	P49721	PSMB2
5023	Proteasome subunit beta type-3	P49720	PSMB3
5024	Proteasome subunit beta type-4	P28070	PSMB4
5025	Proteasome subunit beta type-5	P28074	PSMB5
5026	Proteasome subunit beta type-6	P28072	PSMB6
5027	Proteasome subunit beta type-9	P28065	PSMB9
5028	Protein 4.1	P11171	EPB41
5029	Protein ABHD14A	Q9BUJ0	ABHD14A
5030	Protein ABHD14B	Q96IU4	ABHD14B
5031	Protein ABHD4	Q8TB40	ABHD4
5032	Protein amnionless	Q9BXJ7	AMN
5033	Protein APCDD1	Q8J025	APCDD1
5034	Protein arginine N-methyltransferase 1	Q99873	PRMT1
5035	Protein arginine N-methyltransferase 2	P55345	PRMT2
5036	Protein arginine N-methyltransferase 3	O60678	PRMT3
5037	Protein argonaute-1	Q9UL18	AGO1
5038	Protein argonaute-1	Q9UL18	AGO1
5039	Protein argonaute-3	Q9H9G7	AGO3
5040	Protein atonal homolog 1	Q92858	ATOH1
5041	Protein ATP1B4	Q9UN42	ATP1B4



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#	Human Target or Analyte	UniProt ID	GeneID
5042	Protein BEX2	Q9BXY8	BEX2
5043	Protein BEX4	Q9NWD9	BEX4
5044	Protein BEX5	Q5H9J7	BEX5
5045	Protein bicaudal D homolog 1	Q96G01	BICD1
5046	Protein BRICK1	Q8WUW1	BRK1
5047	Protein BTG1	P62324	BTG1
5048	Protein BTG2	P78543	BTG2
5049	Protein BTG4	Q9NY30	BTG4
5050	Protein BUD31 homolog	P41223	BUD31
5051	Protein canopy homolog 3	Q9BT09	CNPY3
5052	Protein canopy homolog 4	Q8N129	CNPY4
5053	Protein CASC4	Q6P4E1	GOLM2
5054	Protein CASC4	Q6P4E1	GOLM2
5055	Protein CE1	Q86SI9	C5orf38
5056	Protein C-ets-2	P15036	ETS2
5057	Protein CREG1	O75629	CREG1
5058	Protein CutA	O60888	CUTA
5059	Protein CXorf40A	Q8TE69	EOLA1
5060	Protein CYR61	O00622	CCN1
5061	Protein DDI1 homolog 1	Q8WTU0	DDI1
5062	Protein DDI1 homolog 2	Q5TDH0	DDI2
5063	Protein delta homolog 1	P80370	DLK1
5064	Protein delta homolog 1:Cytoplasmic domain	P80370	DLK1
5065	Protein delta homolog 1:Extracellular domain	P80370	DLK1
5066	Protein delta homolog 2	Q6UY11	DLK2
5067	Protein DEPP	Q9NTK1	DEPP1
5068	Protein DGCR14	Q96DF8	ESS2
5069	Protein DGCR6	Q14129	DGCR6
5070	Protein diaphanous homolog 1	O60610	DIAPH1
5071	Protein disulfide-isomerase	P07237	P4HB
5072	Protein disulfide-isomerase	P07237	P4HB
5073	Protein disulfide-isomerase A3	P30101	PDIA3



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5074	Protein disulfide-isomerase A3	P30101	PDIA3
5075	Protein disulfide-isomerase A4	P13667	PDIA4
5076	Protein disulfide-isomerase A4	P13667	PDIA4
5077	Protein disulfide-isomerase A4	P13667	PDIA4
5078	Protein disulfide-isomerase A5	Q14554	PDIA5
5079	Protein disulfide-isomerase A6	Q15084	PDIA6
5080	Protein disulfide-isomerase TMX3	Q96JJ7	TMX3
5081	Protein disulfide-isomerase-like protein of the testis	Q8N807	PDILT
5082	Protein DJ-1	Q99497	PARK7
5083	Protein DJ-1	Q99497	PARK7
5084	Protein Dos	Q8N350	CBARP
5085	Protein DPCD	Q9BVM2	DPCD
5086	Protein dpy-30 homolog	Q9C005	DPY30
5087	Protein Dr1	Q01658	DR1
5088	Protein enabled homolog	Q8N8S7	ENAH
5089	Protein ERGIC-53	P49257	LMAN1
5090	Protein EURL homolog	Q9NYK6	EURL
5091	Protein eva-1 homolog B	Q9NVM1	EVA1B
5092	Protein eva-1 homolog C:Cytoplasmic domain	P58658	EVA1C
5093	Protein eva-1 homolog C:Extracellular domain	P58658	EVA1C
5094	Protein EVI2A	P22794	EVI2A
5095	Protein eyes shut homolog	Q5T1H1	EYS
5096	Protein FAM102B	Q5T8I3	FAM102B
5097	Protein FAM107A	O95990	FAM107A
5098	Protein FAM110A	Q9BQ89	FAM110A
5099	Protein FAM110A	Q9BQ89	FAM110A
5100	Protein FAM118A	Q9NWS6	FAM118A
5101	Protein FAM118B	Q9BPY3	FAM118B
5102	Protein FAM134B	Q9H6L5	RETREG1
5103	Protein FAM151A	Q8WW52	FAM151A
5104	Protein FAM151B	Q6UXP7	FAM151B
5105	Protein FAM160B1	Q5W0V3	FAM160B1



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#	Human Target or Analyte	UniProt ID	GeneID
5106	Protein FAM162A	Q96A26	FAM162A
5107	Protein FAM162B	Q5T6X4	FAM162B
5108	Protein FAM163B	P0C2L3	FAM163B
5109	Protein FAM171A1	Q5VUB5	FAM171A1
5110	Protein FAM171A2	A8MVW0	FAM171A2
5111	Protein FAM171B:Cytoplasmic domain	Q6P995	FAM171B
5112	Protein FAM171B:Extracellular domain	Q6P995	FAM171B
5113	Protein FAM171B:Extracellular domain	Q6P995	FAM171B
5114	Protein FAM172A	Q8WUF8	FAM172A
5115	Protein FAM173A	Q9BQD7	ANTKMT
5116	Protein FAM177A1	Q8N128	FAM177A1
5117	Protein FAM189A2	Q15884	FAM189A2
5118	Protein FAM189A2	Q15884	FAM189A2
5119	Protein FAM19A1	Q7Z5A9	TAFA1
5120	Protein FAM19A2	Q8N3H0	TAFA2
5121	Protein FAM19A3	Q7Z5A8	TAFA3
5122	Protein FAM19A4	Q96LR4	TAFA4
5123	Protein FAM19A5	Q7Z5A7	TAFA5
5124	Protein FAM204A	Q9H8W3	FAM204A
5125	Protein FAM209B	Q5JX69	FAM209B
5126	Protein FAM210A	Q96ND0	FAM210A
5127	Protein FAM221A	A4D161	FAM221A
5128	Protein FAM221B	A6H8Z2	FAM221B
5129	Protein FAM229A	H3BQW9	None
5130	Protein FAM234B:C-term	A2RU67	FAM234B
5131	Protein FAM234B:N-term	A2RU67	FAM234B
5132	Protein FAM24B	Q8N5W8	FAM24B
5133	Protein FAM3A	P98173	FAM3A
5134	Protein FAM3B	P58499	FAM3B
5135	Protein FAM3B	P58499	FAM3B
5136	Protein FAM3C	Q92520	FAM3C
5137	Protein FAM3D	Q96BQ1	FAM3D



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5138	Protein FAM3D	Q96BQ1	FAM3D
5139	Protein FAM45A	Q8TCE6	DENND10
5140	Protein FAM49A	Q9H0Q0	CYRIA
5141	Protein FAM49B	Q9NUQ9	CYRIB
5142	Protein FAM50A	Q14320	FAM50A
5143	Protein FAM69C	Q0P6D2	DIPK1C
5144	Protein FAM84A	Q96KN4	LRATD1
5145	Protein FAM84B	Q96KN1	LRATD2
5146	Protein FAM92A	A1XBS5	FAM92A
5147	Protein FAM9B	Q8IZU0	FAM9B
5148	Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha	P49354	FNTA
5149	Protein FEV	Q99581	FEV
5150	Protein flightless-1 homolog	Q13045	FLII
5151	Protein FRG1	Q14331	FRG1
5152	Protein G6b:Isoform A, Extracellular domain	O95866	MPIG6B
5153	Protein G6b:Isoform B, Cytoplasmic domain	O95866	MPIG6B
5154	Protein GPR107	Q5VW38	GPR107
5155	Protein HEXIM1	O94992	HEXIM1
5156	Protein HEXIM1	O94992	HEXIM1
5157	Protein HEXIM2	Q96MH2	HEXIM2
5158	Protein HID1	Q8IV36	HID1
5159	Protein Hikeshi	Q53FT3	HIKESHI
5160	Protein IMPACT	Q9P2X3	IMPACT
5161	Protein jagged-1:Cytoplasmic domain	P78504	JAG1
5162	Protein jagged-1:Extracellular domain	P78504	JAG1
5163	Protein jagged-2	Q9Y219	JAG2
5164	Protein JTB	O76095	JTB
5165	Protein Jumonji	Q92833	JARID2
5166	Protein KIBRA	Q8IX03	WWC1
5167	Protein kinase B gamma	Q9Y243	AKT3
5168	Protein kinase C alpha type	P17252	PRKCA
5169	Protein kinase C and casein kinase substrate in neurons protein 1	Q9BY11	PAC SIN1

#	Human Target or Analyte	UniProt ID	GeneID
5170	Protein kinase C and casein kinase substrate in neurons protein 2	Q9UNF0	PAC SIN2
5171	Protein kinase C and casein kinase substrate in neurons protein 3	Q9UKS6	PAC SIN3
5172	Protein kinase C beta type (splice variant beta-II)	P05771	PRKCB
5173	Protein kinase C delta type	Q05655	PRKCD
5174	Protein kinase C gamma type	P05129	PRKCG
5175	Protein kinase C iota type	P41743	PRKCI
5176	Protein kinase C theta type	Q04759	PRKCQ
5177	Protein kinase C zeta type	Q05513	PRKCZ
5178	Protein kinase C-binding protein NELL1	Q92832	NELL1
5179	Protein kinase C-binding protein NELL2	Q99435	NELL2
5180	Protein kish-A	Q8TBQ9	TMEM167A
5181	Protein kish-B	Q9NRX6	TMEM167B
5182	Protein KTI12 homolog	Q96EK9	KTI12
5183	Protein Largen	Q569H4	PRR16
5184	Protein LDOC1	O95751	LDOC1
5185	Protein LDOC1L	Q6ICC9	RTL6
5186	Protein LEG1 homolog	Q6P5S2	LEG1
5187	Protein lin-28 homolog B	Q6ZN17	LIN28B
5188	Protein lin-7 homolog A	O14910	LIN7A
5189	Protein lin-7 homolog A	O14910	LIN7A
5190	Protein lin-7 homolog B	Q9HAP6	LIN7B
5191	Protein lin-7 homolog B	Q9HAP6	LIN7B
5192	Protein lin-7 homolog B	Q9HAP6	LIN7B
5193	Protein lin-7 homolog C	Q9NUP9	LIN7C
5194	Protein LSM12 homolog	Q3MHD2	LSM12
5195	Protein LZIC	Q8WZA0	LZIC
5196	Protein mago nashi homolog	P61326	MAGO H
5197	Protein mago nashi homolog 2	Q96A72	MAGO HB
5198	Protein MAK16 homolog	Q9BXY0	MAK16
5199	Protein max	P61244	MAX
5200	Protein MB21D2	Q8IYB1	MB21D2
5201	Protein Mdm4	O15151	MDM4



#	Human Target or Analyte	UniProt ID	GeneID
5202	Protein MEMO1	Q9Y316	MEMO1
5203	Protein MENT	Q9BUN1	MENT
5204	Protein MRV11	Q9Y6F6	IRAG1
5205	Protein naked cuticle homolog 2	Q969F2	NKD2
5206	Protein NATD1	Q8N6N6	NATD1
5207	Protein NDNF	Q8TB73	NDNF
5208	Protein NDRG1	Q92597	NDRG1
5209	Protein NDRG2	Q9UN36	NDRG2
5210	Protein NDRG3	Q9UGV2	NDRG3
5211	Protein NDRG4	Q9ULP0	NDRG4
5212	Protein NipSnap homolog 3B	Q9BS92	NIPSNAP3B
5213	Protein NOV homolog	P48745	CCN3
5214	Protein N-terminal asparagine amidohydrolase	Q96AB6	NTAN1
5215	Protein N-terminal glutamine amidohydrolase	Q96HA8	NTAQ1
5216	Protein numb homolog	P49757	NUMB
5217	Protein O-glucosyltransferase 1	Q8NBL1	POGLUT1
5218	Protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1	Q8WZA1	POMGNT1
5219	Protein O-linked-mannose beta-1,4-N-acetylglucosaminyltransferase 2	Q8NAT1	POMGNT2
5220	Protein O-mannose kinase	Q9H5K3	POMK
5221	Protein p13 MTCP-1	P56278	MTCP1
5222	Protein p13 MTCP-1	P56278	MTCP1
5223	Protein pelota homolog	Q9BRX2	PELO
5224	Protein PET117 homolog, mitochondrial	Q6UWS5	PET117
5225	Protein phosphatase 1 regulatory subunit 14A	Q96A00	PPP1R14A
5226	Protein phosphatase 1 regulatory subunit 1A	Q13522	PPP1R1A
5227	Protein phosphatase 1 regulatory subunit 27	Q86WC6	PPP1R27
5228	Protein phosphatase 1 regulatory subunit 29	Q5R3F8	ELFN2
5229	Protein phosphatase 1 regulatory subunit 3B	Q86XI6	PPP1R3B
5230	Protein phosphatase 1 regulatory subunit 3G	B7ZBB8	None
5231	Protein phosphatase 1 regulatory subunit 42	Q7Z4L9	PPP1R42
5232	Protein phosphatase 1A	P35813	PPM1A
5233	Protein phosphatase 1B	O75688	PPM1B



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5234	Protein phosphatase 1D	O15297	PPM1D
5235	Protein phosphatase 1F	P49593	PPM1F
5236	Protein phosphatase 1G	O15355	PPM1G
5237	Protein phosphatase 1L	Q5SGD2	PPM1L
5238	Protein phosphatase 1M	Q96MI6	PPM1M
5239	Protein phosphatase inhibitor 2	P41236	PPP1R2
5240	Protein phosphatase methylesterase 1	Q9Y570	PPME1
5241	Protein phosphatase PTC7 homolog	Q8NI37	PPTC7
5242	Protein polybromo-1	Q86U86	PBRM1
5243	Protein quaking	Q96PU8	QKI
5244	Protein Red	Q13123	IK
5245	Protein regulator of cytokinesis 1	O43663	PRC1
5246	Protein regulator of cytokinesis 1	O43663	PRC1
5247	Protein RER1	O15258	RER1
5248	Protein RIC-3	Q7Z5B4	RIC3
5249	Protein rippy1	Q0D2K3	RIPPLY1
5250	Protein rippy3	P57055	RIPPLY3
5251	Protein rogdi homolog	Q9GZN7	ROGDI
5252	Protein RTF2 homolog	Q9BY42	RTF2
5253	Protein S100-A10	P60903	S100A10
5254	Protein S100-A11	P31949	S100A11
5255	Protein S100-A12	P80511	S100A12
5256	Protein S100-A13	Q99584	S100A13
5257	Protein S100-A14	Q9HCY8	S100A14
5258	Protein S100-A14	Q9HCY8	S100A14
5259	Protein S100-A16	Q96FQ6	S100A16
5260	Protein S100-A2	P29034	S100A2
5261	Protein S100-A3	P33764	S100A3
5262	Protein S100-A4	P26447	S100A4
5263	Protein S100-A4	P26447	S100A4
5264	Protein S100-A5	P33763	S100A5
5265	Protein S100-A6	P06703	S100A6



#	Human Target or Analyte	UniProt ID	GeneID
5266	Protein S100-A7	P31151	S100A7
5267	Protein S100-A8/A9 heterodimer	P05109 P06702	S100A8 S100A9
5268	Protein S100-A9	P06702	S100A9
5269	Protein S100-A9	P06702	S100A9
5270	Protein S100-P	P25815	S100P
5271	Protein S100-Z	Q8WXG8	S100Z
5272	Protein SCO1 homolog, mitochondrial	O75880	SCO1
5273	Protein SCO2 homolog, mitochondrial	O43819	SCO2
5274	Protein SEC13 homolog	P55735	SEC13
5275	Protein sel-1 homolog 2	Q5TEA6	SEL1L2
5276	Protein SERAC1	Q96JX3	SERAC1
5277	Protein SET	Q01105	SET
5278	Protein SGT1 homolog	Q9Y2Z0	SUGT1
5279	Protein shisa-2 homolog	Q6UWI4	SHISA2
5280	Protein Spindly	Q96EA4	SPDL1
5281	Protein timeless homolog	Q9UNS1	TIMELESS
5282	Protein TMEPA1	Q969W9	PMEPA1
5283	Protein transport protein Sec61 subunit beta	P60468	SEC61B
5284	Protein transport protein Sec61 subunit gamma	P60059	SEC61G
5285	Protein TSSC4	Q9Y5U2	TSSC4
5286	Protein turtle homolog B	Q9UPX0	IGSF9B
5287	Protein TXNRD3NB	Q6F5E7	TXNRD3NB
5288	Protein tyrosine phosphatase type IVA 1	Q93096	PTP4A1
5289	Protein tyrosine phosphatase type IVA 2	Q12974	PTP4A2
5290	Protein tyrosine phosphatase type IVA 3	O75365	PTP4A3
5291	Protein unc-119 homolog B	A6NIIH7	UNC119B
5292	Protein unc-13 homolog A	Q9UPW8	UNC13A
5293	Protein unc-13 homolog D	Q70J99	UNC13D
5294	Protein unc-45 homolog A	Q9H3U1	UNC45A
5295	Protein unc-45 homolog A	Q9H3U1	UNC45A
5296	Protein unc-93 homolog B1	Q9H1C4	UNC93B1
5297	Protein VAC14 homolog	Q08AM6	VAC14



#	Human Target or Analyte	UniProt ID	GeneID
5298	Protein WFDC10B	Q8IUB3	WFDC10B
5299	Protein WFDC11	Q8NEX6	WFDC11
5300	Protein Wnt-10a	Q9GZT5	WNT10A
5301	Protein Wnt-10b	O00744	WNT10B
5302	Protein Wnt-11	O96014	WNT11
5303	Protein Wnt-16	Q9UBV4	WNT16
5304	Protein Wnt-16	Q9UBV4	WNT16
5305	Protein Wnt-3a	P56704	WNT3A
5306	Protein Wnt-5a	P41221	WNT5A
5307	Protein Wnt-5b	Q9H1J7	WNT5B
5308	Protein Wnt-7a	O00755	WNT7A
5309	Protein XRP2	O75695	RP2
5310	Protein YIPF6	Q96EC8	YIPF6
5311	Protein Z-dependent protease inhibitor	Q9UK55	SERPINA10
5312	Protein Z-dependent protease inhibitor	Q9UK55	SERPINA10
5313	Protein zwilch homolog	Q9H900	ZWILCH
5314	Protein-arginine deiminase type-1	Q9ULC6	PADI1
5315	Protein-arginine deiminase type-2	Q9Y2J8	PADI2
5316	Protein-arginine deiminase type-4	Q9UM07	PADI4
5317	Protein-glutamine gamma-glutamyltransferase 2	P21980	TGM2
5318	Protein-glutamine gamma-glutamyltransferase 4	P49221	TGM4
5319	Protein-glutamine gamma-glutamyltransferase E	Q08188	TGM3
5320	Protein-glutamine gamma-glutamyltransferase K	P22735	TGM1
5321	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	P22061	PCMT1
5322	Protein-lysine methyltransferase METTL21C	Q5VZV1	METTL21C
5323	Protein-lysine N-methyltransferase EEF2KMT	Q96G04	EEF2KMT
5324	Protein-methionine sulfoxide oxidase MICAL1	Q8TDZ2	MICAL1
5325	Protein-tyrosine kinase 2-beta:4.1 protein, ezrin, radixin, moesin domain	Q14289	PTK2B
5326	Protein-tyrosine kinase 2-beta:Focal adhesion targeting domain	Q14289	PTK2B
5327	Protein-tyrosine kinase 6	Q13882	PTK6
5328	Protein-tyrosine sulfotransferase 1	O60507	TPST1
5329	Protein-tyrosine sulfotransferase 2	O60704	TPST2



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#	Human Target or Analyte	UniProt ID	GeneID
5330	Proteoglycan 3	Q9Y2Y8	PRG3
5331	Prothrombin	P00734	F2
5332	Pro-Thyrotropin-releasing hormone	P20396	TRH
5333	Protocadherin alpha-4	Q9UN74	PCDHA4
5334	Protocadherin alpha-7	Q9UN72	PCDHA7
5335	Protocadherin alpha-C1	Q9H158	PCDHAC1
5336	Protocadherin alpha-C2	Q9Y5I4	PCDHAC2
5337	Protocadherin beta-1	Q9Y5F3	PCDHB1
5338	Protocadherin beta-10	Q9UN67	PCDHB10
5339	Protocadherin beta-2	Q9Y5E7	PCDHB2
5340	Protocadherin beta-7	Q9Y5E2	PCDHB7
5341	Protocadherin gamma-A1	Q9Y5H4	PCDHGA1
5342	Protocadherin gamma-A10	Q9Y5H3	PCDHGA10
5343	Protocadherin gamma-A12	O60330	PCDHGA12
5344	Protocadherin gamma-A2	Q9Y5H1	PCDHGA2
5345	Protocadherin gamma-B1	Q9Y5G3	PCDHGB1
5346	Protocadherin gamma-C3	Q9UN70	PCDHGC3
5347	Protocadherin gamma-C5	Q9Y5F6	PCDHGC5
5348	Protocadherin-1	Q08174	PCDH1
5349	Protocadherin-10:Cytoplasmic domain	Q9P2E7	PCDH10
5350	Protocadherin-10:Extracellular domain	Q9P2E7	PCDH10
5351	Protocadherin-12	Q9NPG4	PCDH12
5352	Protocadherin-17	O14917	PCDH17
5353	Protocadherin-8	O95206	PCDH8
5354	Protocadherin-9	Q9HC56	PCDH9
5355	Proteogenin	Q2VWP7	PRTG
5356	Proto-oncogene tyrosine-protein kinase MER	Q12866	MERTK
5357	Proto-oncogene tyrosine-protein kinase MER	Q12866	MERTK
5358	Proto-oncogene tyrosine-protein kinase receptor Ret	P07949	RET
5359	Proto-oncogene tyrosine-protein kinase ROS	P08922	ROS1
5360	Proto-oncogene tyrosine-protein kinase Src	P12931	SRC
5361	Proto-oncogene tyrosine-protein kinase Src isoform 2	P12931	SRC



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5362	Proto-oncogene vav	P15498	VAV1
5363	Protrudin:Cytoplasmic domain, region 1, isoform 6	Q5T4F4	ZFYVE27
5364	Protrudin:Cytoplasmic domain, region 2, isoform 5	Q5T4F4	ZFYVE27
5365	P-selectin	P16109	SELP
5366	P-selectin glycoprotein ligand 1:Cytoplasmic domain	Q14242	SELPLG
5367	P-selectin glycoprotein ligand 1:Extracellular domain	Q14242	SELPLG
5368	Pseudokinase FAM20A	Q96MK3	FAM20A
5369	Pseudouridine-5'-phosphatase	Q08623	PUDP
5370	Pseudouridylate synthase 7 homolog	Q96PZ0	PUS7
5371	PTB domain-containing engulfment adapter protein 1	Q9UBP9	GULP1
5372	PTB-containing, cubilin and LRP1-interacting protein	Q7Z2X4	PID1
5373	Pterin-4-alpha-carbinolamine dehydratase	P61457	PCBD1
5374	Pterin-4-alpha-carbinolamine dehydratase 2	Q9H0N5	PCBD2
5375	Pulmonary surfactant-associated protein B	P07988	SFTPB
5376	Pulmonary surfactant-associated protein D	P35247	SFTPD
5377	Pulmonary surfactant-associated protein D	P35247	SFTPD
5378	Purine nucleoside phosphorylase	P00491	PNP
5379	Purine nucleoside phosphorylase	P00491	PNP
5380	Purkinje cell protein 4-like protein 1	A6NKN8	PCP4L1
5381	Putative chondrosarcoma-associated gene 1 protein	Q6PB30	CSAG1
5382	Putative deoxyribonuclease TATDN1	Q6P1N9	TATDN1
5383	Putative deoxyribonuclease TATDN3	Q17R31	TATDN3
5384	Putative D-tyrosyl-tRNA(Tyr) deacylase 2	Q96FN9	DTD2
5385	Putative glutathione-specific gamma-glutamylcyclotransferase 2	Q8WUX2	CHAC2
5386	Putative glycerol kinase 5	Q6ZS86	GK5
5387	Putative hydrolase RBBP9	O75884	RBBP9
5388	Putative inactive group IIC secretory phospholipase A2	Q5R387	PLA2G2C
5389	Putative KHDC1-like protein	Q5JSQ8	KHDC1L
5390	Putative KHDC1-like protein	Q5JSQ8	KHDC1L
5391	Putative methyltransferase NSUN6	Q8TEA1	NSUN6
5392	Putative peptidyl-tRNA hydrolase PTRHD1	Q6GMV3	PTRHD1
5393	Putative phospholipase B-like 2	Q8NHP8	PLBD2



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#	Human Target or Analyte	UniProt ID	GeneID
5394	Putative potassium channel regulatory protein	Q8N5I3	KCNRG
5395	Putative POTE ankyrin domain family member M	A6NI47	POTEM
5396	Putative pregnancy-specific beta-1-glycoprotein 7	Q13046	PSG7
5397	Putative protein N-methyltransferase FAM86B1	Q8N7N1	FAM86B1
5398	Putative spermatogenesis-associated protein 31D4	Q6ZUB0	SPATA31D4
5399	Putative uncharacterized protein PQLC2L	A1A4F0	SLC66A1L
5400	PWWP domain-containing protein 2B	Q6NUJ5	PWWP2B
5401	PWWP domain-containing protein MUM1	Q2TAK8	PWWP3A
5402	Pyridoxal kinase	O00764	PDXK
5403	Pyridoxal phosphate phosphatase	Q96GD0	PDXP
5404	Pyridoxal phosphate phosphatase PHOSPHO2	Q8TCD6	PHOSPHO2
5405	Pyridoxine-5'-phosphate oxidase	Q9NVS9	PNPO
5406	Pyrin domain-containing protein 1	Q8WXC3	PYDC1
5407	Pyroglutamyl-peptidase 1	Q9NXJ5	PGPEP1
5408	Pyrroline-5-carboxylate reductase 1, mitochondrial	P32322	PYCR1
5409	Pyrroline-5-carboxylate reductase 2	Q96C36	PYCR2
5410	Pyruvate carboxylase, mitochondrial	P11498	PC
5411	Pyruvate dehydrogenase E1 component beta subunit	P11177	PDHB
5412	Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial	P29803	PDHA2
5413	Pyruvate dehydrogenase protein X component, mitochondrial	O00330	PDHX
5414	Pyruvate kinase PKLR	P30613	PKLR
5415	Pyruvate kinase PKLR	P30613	PKLR
5416	Pyruvate kinase PKM	P14618	PKM
5417	Queuine tRNA-ribosyltransferase	Q9BXR0	QTRT1
5418	Queuine tRNA-ribosyltransferase subunit QTRTD1	Q9H974	QTRT2
5419	Quinone oxidoreductase	Q08257	CRYZ
5420	Quinone oxidoreductase PIG3	Q53FA7	TP53I3
5421	Quinone oxidoreductase-like protein 1	O95825	CRYZL1
5422	Rab GDP dissociation inhibitor alpha	P31150	GDI1
5423	Rab GDP dissociation inhibitor alpha	P31150	GDI1
5424	Rab GDP dissociation inhibitor beta	P50395	GDI2
5425	Rab GTPase-activating protein 1-like	Q5R372	RABGAP1L



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5426	Rab GTPase-binding effector protein 1	Q15276	RABEP1
5427	Rab11 family-interacting protein 3	O75154	RAB11FIP3
5428	RAB6-interacting golgin	Q5T7V8	GORAB
5429	Rab9 effector protein with kelch motifs	Q7Z6M1	RABEPK
5430	Rab-interacting lysosomal protein	Q96NA2	RILP
5431	Rab-like protein 3	Q5HYI8	RABL3
5432	Rab-like protein 6	Q3YEC7	RABL6
5433	Rac GTPase-activating protein 1	Q9H0H5	RACGAP1
5434	RAC-alpha serine/threonine-protein kinase	P31749	AKT1
5435	RAC-alpha serine/threonine-protein kinase	P31749	AKT1
5436	RAC-beta serine/threonine-protein kinase	P31751	AKT2
5437	RAC-beta serine/threonine-protein kinase	P31751	AKT2
5438	Radiation-inducible immediate-early gene IEX-1	P46695	IER3
5439	Radixin	P35241	RDX
5440	RAF proto-oncogene serine/threonine-protein kinase	P04049	RAF1
5441	Ragulator complex protein LAMTOR2	Q9Y2Q5	LAMTOR2
5442	Ragulator complex protein LAMTOR3	Q9UHA4	LAMTOR3
5443	RalBP1-associated Eps domain-containing protein 2	Q8NFH8	REPS2
5444	Ran GTPase-activating protein 1	P46060	RANGAP1
5445	Ran-binding protein 3	Q9H6Z4	RANBP3
5446	Ran-specific GTPase-activating protein	P43487	RANBP1
5447	Rap guanine nucleotide exchange factor 1	Q13905	RAPGEF1
5448	Rap guanine nucleotide exchange factor 5	Q92565	RAPGEF5
5449	Rap1 GTPase-activating protein 1	P47736	RAP1GAP
5450	Rap1 GTPase-GDP dissociation stimulator 1	P52306	RAP1GDS1
5451	Ras association domain-containing protein 2	P50749	RASSF2
5452	Ras association domain-containing protein 5	Q8WWW0	RASSF5
5453	Ras GTPase-activating protein 1	P20936	RASA1
5454	Ras GTPase-activating protein-binding protein 1	Q13283	G3BP1
5455	Ras GTPase-activating protein-binding protein 2	Q9UN86	G3BP2
5456	Ras-related and estrogen-regulated growth inhibitor	Q96A58	RERG
5457	Ras-related C3 botulinum toxin substrate 1	P63000	RAC1



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#	Human Target or Analyte	UniProt ID	GeneID
5458	Ras-related C3 botulinum toxin substrate 2	P15153	RAC2
5459	Ras-related C3 botulinum toxin substrate 3	P60763	RAC3
5460	Ras-related GTP-binding protein C	Q9HB90	RRAGC
5461	Ras-related protein M-Ras	O14807	MRAS
5462	Ras-related protein Rab-11A	P62491	RAB11A
5463	Ras-related protein Rab-11B	Q15907	RAB11B
5464	Ras-related protein Rab-13	P51153	RAB13
5465	Ras-related protein Rab-14	P61106	RAB14
5466	Ras-related protein Rab-17	Q9H0T7	RAB17
5467	Ras-related protein Rab-18	Q9NP72	RAB18
5468	Ras-related protein Rab-1A	P62820	RAB1A
5469	Ras-related protein Rab-1B	Q9H0U4	RAB1B
5470	Ras-related protein Rab-21	Q9UL25	RAB21
5471	Ras-related protein Rab-22A	Q9UL26	RAB22A
5472	Ras-related protein Rab-23	Q9ULC3	RAB23
5473	Ras-related protein Rab-24	Q969Q5	RAB24
5474	Ras-related protein Rab-26	Q9ULW5	RAB26
5475	Ras-related protein Rab-27A	P51159	RAB27A
5476	Ras-related protein Rab-27B	O00194	RAB27B
5477	Ras-related protein Rab-2A	P61019	RAB2A
5478	Ras-related protein Rab-2A	P61019	RAB2A
5479	Ras-related protein Rab-2B	Q8WUD1	RAB2B
5480	Ras-related protein Rab-31	Q13636	RAB31
5481	Ras-related protein Rab-32	Q13637	RAB32
5482	Ras-related protein Rab-33A	Q14088	RAB33A
5483	Ras-related protein Rab-35	Q15286	RAB35
5484	Ras-related protein Rab-37	Q96AX2	RAB37
5485	Ras-related protein Rab-38	P57729	RAB38
5486	Ras-related protein Rab-39B	Q96DA2	RAB39B
5487	Ras-related protein Rab-3A	P20336	RAB3A
5488	Ras-related protein Rab-3B	P20337	RAB3B
5489	Ras-related protein Rab-3C	Q96E17	RAB3C

#	Human Target or Analyte	UniProt ID	GeneID
5490	Ras-related protein Rab-3D	O95716	RAB3D
5491	Ras-related protein Rab-3D	O95716	RAB3D
5492	Ras-related protein Rab-3D	O95716	RAB3D
5493	Ras-related protein Rab-43	Q86YS6	RAB43
5494	Ras-related protein Rab-4A	P20338	RAB4A
5495	Ras-related protein Rab-4B	P61018	RAB4B
5496	Ras-related protein Rab-5A	P20339	RAB5A
5497	Ras-related protein Rab-5B	P61020	RAB5B
5498	Ras-related protein Rab-5C	P51148	RAB5C
5499	Ras-related protein Rab-6A	P20340	RAB6A
5500	Ras-related protein Rab-6B	Q9NRW1	RAB6B
5501	Ras-related protein Rab-7	P51149	RAB7A
5502	Ras-related protein Rab-7b	Q96AH8	RAB7B
5503	Ras-related protein Rab-8B	Q92930	RAB8B
5504	Ras-related protein Ral-A	P11233	RALA
5505	Ras-related protein Ral-B	P11234	RALB
5506	Ras-related protein Rap-2a	P10114	RAP2A
5507	Ras-related protein R-Ras	P10301	RRAS
5508	Ras-related protein R-Ras2	P62070	RRAS2
5509	Receptor activity-modifying protein 1	O60894	RAMP1
5510	Receptor activity-modifying protein 3	O60896	RAMP3
5511	Receptor expression-enhancing protein 2	Q9BRK0	REEP2
5512	Receptor tyrosine-protein kinase erbB-2	P04626	ERBB2
5513	Receptor tyrosine-protein kinase erbB-3	P21860	ERBB3
5514	Receptor tyrosine-protein kinase erbB-4	Q15303	ERBB4
5515	Receptor-binding cancer antigen expressed on SiSo cells	O00559	EBAG9
5516	Receptor-binding cancer antigen expressed on SiSo cells	O00559	EBAG9
5517	Receptor-interacting serine/threonine-protein kinase 2	O43353	RIPK2
5518	Receptor-interacting serine/threonine-protein kinase 2	O43353	RIPK2
5519	Receptor-transporting protein 4	Q96DX8	RTP4
5520	Receptor-type tyrosine-protein kinase FLT3	P36888	FLT3
5521	Receptor-type tyrosine-protein phosphatase delta	P23468	PTPRD

#	Human Target or Analyte	UniProt ID	GeneID
5522	Receptor-type tyrosine-protein phosphatase eta	Q12913	PTPRJ
5523	Receptor-type tyrosine-protein phosphatase H	Q9HD43	PTPRH
5524	Receptor-type tyrosine-protein phosphatase R	Q15256	PTPRR
5525	Receptor-type tyrosine-protein phosphatase S	Q13332	PTPRS
5526	Receptor-type tyrosine-protein phosphatase U	Q92729	PTPRU
5527	Receptor-type tyrosine-protein phosphatase-like N	Q16849	PTPRN
5528	Recoverin	P35243	RCVRN
5529	RecQ-mediated genome instability protein 1	Q9H9A7	RMI1
5530	Redox-regulatory protein FAM213A	Q9BRX8	PRXL2A
5531	Reelin	P78509	RELN
5532	Regenerating islet-derived protein 3-alpha	Q06141	REG3A
5533	Regenerating islet-derived protein 3-alpha	Q06141	REG3A
5534	Regenerating islet-derived protein 3-gamma	Q6UW15	REG3G
5535	Regenerating islet-derived protein 3-gamma	Q6UW15	REG3G
5536	Regenerating islet-derived protein 4	Q9BYZ8	REG4
5537	Regucalcin	Q15493	RGN
5538	Regulation of nuclear pre-mRNA domain-containing protein 1A	Q96P16	RPRD1A
5539	Regulation of nuclear pre-mRNA domain-containing protein 1B	Q9NQG5	RPRD1B
5540	Regulator of G-protein signaling 1	Q08116	RGS1
5541	Regulator of G-protein signaling 10	O43665	RGS10
5542	Regulator of G-protein signaling 13	O14921	RGS13
5543	Regulator of G-protein signaling 14	O43566	RGS14
5544	Regulator of G-protein signaling 16	O15492	RGS16
5545	Regulator of G-protein signaling 18	Q9NS28	RGS18
5546	Regulator of G-protein signaling 19	P49795	RGS19
5547	Regulator of G-protein signaling 21	Q2M5E4	RGS21
5548	Regulator of G-protein signaling 21	Q2M5E4	RGS21
5549	Regulator of G-protein signaling 3	P49796	RGS3
5550	Regulator of G-protein signaling 4	P49798	RGS4
5551	Regulator of G-protein signaling 4	P49798	RGS4
5552	Regulator of G-protein signaling 5	O15539	RGS5
5553	Regulator of G-protein signaling 7	P49802	RGS7



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5554	Regulator of G-protein signaling 8	P57771	RGS8
5555	Regulator of microtubule dynamics protein 1	Q96DB5	RMDN1
5556	Regulator of microtubule dynamics protein 3	Q96TC7	RMDN3
5557	Regulatory factor X-associated protein	O00287	RFXAP
5558	Relaxin receptor 1	Q9HBX9	RXFP1
5559	Relaxin-3	Q8WXF3	RLN3
5560	RELT-like protein 1	Q8IUW5	RELL1
5561	RELT-like protein 2	Q8NC24	RELL2
5562	Renin	P00797	REN
5563	Replication factor C 37 kDa subunit	P35249	RFC4
5564	Replication initiator 1	Q9BWE0	REPIN1
5565	Replication protein A 32 kDa subunit	P15927	RPA2
5566	Repulsive guidance molecule A	Q96B86	RGMA
5567	Resistin	Q9HD89	RETIN
5568	Resistin-like beta	Q9BQ08	RETNLB
5569	Ret finger protein-like 3	O75679	RFPL3
5570	Reticulocalbin-1	Q15293	RCN1
5571	Reticulocalbin-3	Q96D15	RCN3
5572	Reticulocalbin-3	Q96D15	RCN3
5573	Reticulon-1	Q16799	RTN1
5574	Reticulon-4 receptor	Q9BZR6	RTN4R
5575	Reticulon-4 receptor-like 1	Q86UN2	RTN4RL1
5576	Reticulon-4-interacting protein 1, mitochondrial	Q8WWV3	RTN4IP1
5577	Retinal cone rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma	Q13956	PDE6H
5578	Retinal dehydrogenase 1	P00352	ALDH1A1
5579	Retinal dehydrogenase 2	O94788	ALDH1A2
5580	Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta	O43924	PDE6D
5581	Retinaldehyde-binding protein 1	P12271	RLBP1
5582	Retina-specific copper amine oxidase	O75106	AOC2
5583	Retinitis pigmentosa 9 protein	Q8TA86	RP9
5584	Retinoblastoma-associated protein	P06400	RB1
5585	Retinoblastoma-binding protein 5	Q15291	RBBP5

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5586	Retinoblastoma-like protein 1	P28749	RBL1
5587	Retinoblastoma-like protein 2	Q08999	RBL2
5588	Retinoic acid early transcript 1G protein	Q6H3X3	RAET1G
5589	Retinoic acid early transcript 1L protein	Q5VY80	RAET1L
5590	Retinoic acid early transcript 1L protein	Q5VY80	RAET1L
5591	Retinoic acid receptor responder protein 1	P49788	RARRES1
5592	Retinoic acid receptor responder protein 2	Q99969	RARRES2
5593	Retinoic acid receptor responder protein 3	Q9UL19	PLAAT4
5594	Retinoic acid receptor RXR-alpha	P19793	RXRA
5595	Retinoid-binding protein 7	Q96R05	RBP7
5596	Retinoid-inducible serine carboxypeptidase	Q9HB40	SCPEP1
5597	Retinol dehydrogenase 10	Q8IZV5	RDH10
5598	Retinol dehydrogenase 12	Q96NR8	RDH12
5599	Retinol dehydrogenase 13	Q8NBN7	RDH13
5600	Retinol dehydrogenase 16	O75452	RDH16
5601	Retinol-binding protein 1	P09455	RBP1
5602	Retinol-binding protein 1	P09455	RBP1
5603	Retinol-binding protein 2	P50120	RBP2
5604	Retinol-binding protein 4	P02753	RBP4
5605	Retinol-binding protein 4	P02753	RBP4
5606	Retinol-binding protein 5	P82980	RBP5
5607	Retinoschisin	O15537	RS1
5608	Retroviral-like aspartic protease 1	Q53RT3	ASPRV1
5609	RGM domain family member B	Q6NW40	RGMB
5610	Rho GDP-dissociation inhibitor 1	P52565	ARHGDI1
5611	Rho GDP-dissociation inhibitor 2	P52566	ARHGDI2
5612	Rho GTPase-activating protein 1:Cellular retinaldehyde-TRIO domain	Q07960	ARHGAP1
5613	Rho GTPase-activating protein 1:Rho-GTPase activating protein domain	Q07960	ARHGAP1
5614	Rho GTPase-activating protein 22	Q7Z5H3	ARHGAP22
5615	Rho GTPase-activating protein 24	Q8N264	ARHGAP24
5616	Rho GTPase-activating protein 25	P42331	ARHGAP25
5617	Rho GTPase-activating protein 26	Q9UNA1	ARHGAP26



#	Human Target or Analyte	UniProt ID	GeneID
5618	Rho GTPase-activating protein 30	Q7Z6I6	ARHGAP30
5619	Rho GTPase-activating protein 36	Q6ZRI8	ARHGAP36
5620	Rho GTPase-activating protein 45	Q92619	ARHGAP45
5621	Rho GTPase-activating protein 5	Q13017	ARHGAP5
5622	Rho GTPase-activating protein 6	O43182	ARHGAP6
5623	Rho guanine nucleotide exchange factor 1	Q92888	ARHGEF1
5624	Rho guanine nucleotide exchange factor 10	O15013	ARHGEF10
5625	Rho guanine nucleotide exchange factor 16	Q5VV41	ARHGEF16
5626	Rho guanine nucleotide exchange factor 2	Q92974	ARHGEF2
5627	Rho guanine nucleotide exchange factor 25	Q86VW2	ARHGEF25
5628	Rho guanine nucleotide exchange factor 7	Q14155	ARHGEF7
5629	Rho-associated protein kinase 2	O75116	ROCK2
5630	Rhophilin-2	Q8IUC4	RHPN2
5631	Rho-related GTP-binding protein Rho6	Q92730	RND1
5632	Rho-related GTP-binding protein RhoB	P62745	RHOB
5633	Rho-related GTP-binding protein RhoC	P08134	RHOC
5634	Rho-related GTP-binding protein RhoD	O00212	RHOD
5635	Rho-related GTP-binding protein RhoE	P61587	RND3
5636	Rho-related GTP-binding protein RhoG	P84095	RHOG
5637	Rho-related GTP-binding protein RhoQ	P17081	RHOQ
5638	Rhotekin	Q9BST9	RTKN
5639	Riboflavin kinase	Q969G6	RFK
5640	Ribokinase	Q9H477	RBKS
5641	Ribonuclease 4	P34096	RNASE4
5642	Ribonuclease H1	O60930	RNASEH1
5643	Ribonuclease K6	Q93091	RNASE6
5644	Ribonuclease P protein subunit p20	O75817	POP7
5645	Ribonuclease P protein subunit p25	Q9BUL9	RPP25
5646	Ribonuclease P protein subunit p25-like protein	Q8N5L8	RPP25L
5647	Ribonuclease P protein subunit p30	P78346	RPP30
5648	Ribonuclease P protein subunit p40	O75818	RPP40
5649	Ribonuclease pancreatic	P07998	RNASE1

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5650	Ribonuclease T2	O00584	RNASET2
5651	Ribonuclease UK114	P52758	RIDA
5652	Ribonucleoside-diphosphate reductase large subunit	P23921	RRM1
5653	Ribonucleoside-diphosphate reductase subunit M2	P31350	RRM2
5654	Ribonucleoside-diphosphate reductase subunit M2 B	Q7LG56	RRM2B
5655	Ribonucleoside-diphosphate reductase subunit M2 B	Q7LG56	RRM2B
5656	Ribophorin II	P04844	RPN2
5657	Ribose-5-phosphate isomerase	P49247	RPIA
5658	Ribose-phosphate pyrophosphokinase 1	P60891	PRPS1
5659	Ribose-phosphate pyrophosphokinase 2	P11908	PRPS2
5660	Ribosomal protein S6 kinase alpha-1	Q15418	RPS6KA1
5661	Ribosomal protein S6 kinase alpha-3	P51812	RPS6KA3
5662	Ribosomal protein S6 kinase alpha-6	Q9UK32	RPS6KA6
5663	Ribosomal protein S6 kinase beta-1	P23443	RPS6KB1
5664	Ribosomal protein S6 kinase beta-1	P23443	RPS6KB1
5665	Ribosomal protein S6 kinase beta-1	P23443	RPS6KB1
5666	Ribosomal protein S6 kinase beta-2	Q9UBS0	RPS6KB2
5667	Ribosomal RNA small subunit methyltransferase NEP1	Q92979	EMG1
5668	Ribosome biogenesis protein TSR3 homolog	Q9UJK0	TSR3
5669	Ribosome maturation protein SBDS	Q9Y3A5	SBDS
5670	Ribosome-binding protein 1	Q9P2E9	RRBP1
5671	Ribosome-recycling factor, mitochondrial	Q96E11	MRRF
5672	Ribosyldihydronicotinamide dehydrogenase [quinone]	P16083	NQO2
5673	Ribulose-phosphate 3-epimerase	Q96AT9	RPE
5674	Rieske domain-containing protein	Q8TAC1	RFESD
5675	RILP-like protein 1	Q5EBL4	RILPL1
5676	RILP-like protein 2	Q969X0	RILPL2
5677	RING finger protein 122	Q9H9V4	RNF122
5678	RING finger protein 141	Q8WVD5	RNF141
5679	RING finger protein 148:region 1	Q8N7C7	RNF148
5680	RING finger protein 148:region 2	Q8N7C7	RNF148
5681	RING finger protein 150	Q9ULK6	RNF150

#	Human Target or Analyte	UniProt ID	GeneID
5682	RING finger protein 215:Cytoplasmic domain	Q9Y6U7	RNF215
5683	RING finger protein 215:Extracellular domain	Q9Y6U7	RNF215
5684	RING finger protein 24	Q9Y225	RNF24
5685	RING1 and YY1-binding protein	Q8N488	RYBP
5686	RIP	Q13546	RIPK1
5687	RISC-loading complex subunit TARBP2	Q15633	TARBP2
5688	RNA 3'-terminal phosphate cyclase	O00442	RTCA
5689	RNA binding protein fox-1 homolog 2	O43251	RBFOX2
5690	RNA polymerase II elongation factor ELL	P55199	ELL
5691	RNA polymerase II elongation factor ELL2	O00472	ELL2
5692	RNA polymerase II elongation factor ELL3	Q9HB65	ELL3
5693	RNA polymerase II subunit A C-terminal domain phosphatase SSU72	Q9NP77	SSU72
5694	RNA polymerase-associated protein RTF1 homolog	Q92541	RTF1
5695	RNA-binding motif, single-stranded-interacting protein 1	P29558	RBMS1
5696	RNA-binding protein 24	Q9BX46	RBM24
5697	RNA-binding protein 3	P98179	RBM3
5698	RNA-binding protein 39	Q14498	RBM39
5699	RNA-binding protein 4	Q9BWF3	RBM4
5700	RNA-binding protein 40	Q96LT9	RNPC3
5701	RNA-binding protein 41	Q96IZ5	RBM41
5702	RNA-binding protein EWS	Q01844	EWSR1
5703	RNA-binding protein Musashi homolog 2	Q96DH6	MSI2
5704	RNA-binding protein Nova-1	P51513	NOVA1
5705	RNA-binding protein with multiple splicing 2	Q6ZRY4	RBPM2
5706	RNA-binding Raly-like protein	Q86SE5	RALYL
5707	Ropporin-1B	Q9BZX4	ROPN1B
5708	Roundabout homolog 1	Q9Y6N7	ROBO1
5709	Roundabout homolog 2	Q9HCK4	ROBO2
5710	Roundabout homolog 2	Q9HCK4	ROBO2
5711	Roundabout homolog 3	Q96MS0	ROBO3
5712	Roundabout homolog 4	Q8WZ75	ROBO4
5713	Roundabout homolog 4	Q8WZ75	ROBO4

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5714	RPA-interacting protein	Q86UA6	RPAIN
5715	rRNA 2'-O-methyltransferase fibrillarin	P22087	FBL
5716	rRNA methyltransferase 1, mitochondrial	Q6IN84	MRM1
5717	rRNA methyltransferase 2, mitochondrial	Q9UI43	MRM2
5718	R-spondin-1	Q2MKA7	RSPO1
5719	R-spondin-1	Q2MKA7	RSPO1
5720	R-spondin-2	Q6UXX9	RSPO2
5721	R-spondin-2	Q6UXX9	RSPO2
5722	R-spondin-3	Q9BXY4	RSPO3
5723	R-spondin-3	Q9BXY4	RSPO3
5724	R-spondin-4	Q2I0M5	RSPO4
5725	RUN and FYVE domain-containing protein 1	Q96T51	RUFY1
5726	Runt-related transcription factor 3	Q13761	RUNX3
5727	RuvB-like 1	Q9Y265	RUVBL1
5728	RWD domain-containing protein 1	Q9H446	RWDD1
5729	RWD domain-containing protein 4	Q6NW29	RWDD4
5730	S100 calcium-binding protein A15	Q86SG5	S100A7A
5731	Saccharopine dehydrogenase-like oxidoreductase	Q8NBX0	SCCPDH
5732	S-acyl fatty acid synthase thioesterase, medium chain	Q9NV23	OLAH
5733	S-adenosylmethionine synthase isoform type-1	Q00266	MAT1A
5734	S-adenosylmethionine synthetase isoform type-2	P31153	MAT2A
5735	SAE1/SAE2	Q9UBE0 Q9UBT2	SAE1 UBA2
5736	SAFB-like transcription modulator	Q9NWH9	SLTM
5737	SAGA-associated factor 29 homolog	Q96ES7	SGF29
5738	SAM domain-containing protein SAMSN1	Q9NSI8	SAMSN1
5739	SAM pointed domain-containing Ets transcription factor	O95238	SPDEF
5740	Sarcalumenin	Q86TD4	SRL
5741	Sarcolemmal membrane-associated protein	Q14BN4	SLMAP
5742	Sarcoplasmic reticulum histidine-rich calcium-binding protein	P23327	HRC
5743	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3	Q93084	ATP2A3
5744	Sarcospan	Q14714	SSPN
5745	SARP-3	Q5T4F7	SFRP5



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5746	S-arrestin	P10523	SAG
5747	SAYSVFN domain-containing protein 1	Q9NPB0	SAYSD1
5748	SCAN domain-containing protein 1	P57086	SCAND1
5749	Scavenger mRNA-decapping enzyme DcpS	Q96C86	DCPS
5750	Scavenger receptor class A member 3:region 1	Q6AZY7	SCARA3
5751	Scavenger receptor class A member 3:region 2	Q6AZY7	SCARA3
5752	Scavenger receptor class A member 5	Q6ZMJ2	SCARA5
5753	Scavenger receptor class B member 1	Q8WTV0	SCARB1
5754	Scavenger receptor class F member 1	Q14162	SCARF1
5755	Scavenger receptor class F member 2:Cytoplasmic domain	Q96GP6	SCARF2
5756	Scavenger receptor class F member 2:Extracellular domain	Q96GP6	SCARF2
5757	Scavenger receptor cysteine-rich type 1 protein M130	Q86VB7	CD163
5758	Schlafen-like protein 1	Q499Z3	SLFNL1
5759	Sclerostin	Q9BQB4	SOST
5760	Sclerostin	Q9BQB4	SOST
5761	Sclerostin domain-containing protein 1	Q6X4U4	SOSTDC1
5762	SCP2 sterol-binding domain-containing protein 1	Q9UJQ7	SCP2D1
5763	Sec1 family domain-containing protein 1	Q8WVM8	SCFD1
5764	SEC14-like protein 4	Q9UDX3	SEC14L4
5765	Secernin-3	Q0VDG4	SCRN3
5766	Secretagogin	O76038	SCGN
5767	Secretagogin	O76038	SCGN
5768	Secreted and transmembrane protein 1	Q8WVN6	SECTM1
5769	Secreted frizzled-related protein 1	Q8N474	SFRP1
5770	Secreted frizzled-related protein 1	Q8N474	SFRP1
5771	Secreted frizzled-related protein 2	Q96HF1	SFRP2
5772	Secreted frizzled-related protein 3	Q92765	FRZB
5773	Secreted frizzled-related protein 3	Q92765	FRZB
5774	Secreted frizzled-related protein 4	Q6FHJ7	SFRP4
5775	Secreted frizzled-related protein 4	Q6FHJ7	SFRP4
5776	Secretin	P09683	SCT
5777	Secretoglobin family 1D member 1	O95968	SCGB1D1

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5778	Secretoglobin family 1D member 2	O95969	SCGB1D2
5779	Secretoglobin family 3A member 1	Q96QR1	SCGB3A1
5780	Secretogranin-1	P05060	CHGB
5781	Secretogranin-3	Q8WXD2	SCG3
5782	Secretory carrier-associated membrane protein 5	Q8TAC9	SCAMP5
5783	Secretory phospholipase A2 receptor	Q13018	PLA2R1
5784	Securin	O95997	PTTG1
5785	Segment polarity protein dishevelled homolog DVL-2	O14641	DVL2
5786	Seizure 6-like protein	Q9BYH1	SEZ6L
5787	Seizure 6-like protein 2	Q6UXD5	SEZ6L2
5788	Selenide, water dikinase 1	P49903	SEPHS1
5789	Selenium-binding protein 1	Q13228	SELENBP1
5790	Selenocysteine lyase	Q96I15	SCLY
5791	Selenoprotein H	Q8IZQ5	SELENOH
5792	Selenoprotein M	Q8WWX9	SELENOM
5793	Selenoprotein S	Q9BQE4	SELENOS
5794	Selenoprotein W	P63302	SELENOW
5795	Semaphorin-3A	Q14563	SEMA3A
5796	Semaphorin-3B	Q13214	SEMA3B
5797	Semaphorin-3C	Q99985	SEMA3C
5798	Semaphorin-3E	O15041	SEMA3E
5799	Semaphorin-3E	O15041	SEMA3E
5800	Semaphorin-3G	Q9NS98	SEMA3G
5801	Semaphorin-4A	Q9H3S1	SEMA4A
5802	Semaphorin-4B	Q9NPR2	SEMA4B
5803	Semaphorin-4C	Q9C0C4	SEMA4C
5804	Semaphorin-4D	Q92854	SEMA4D
5805	Semaphorin-4F	O95754	SEMA4F
5806	Semaphorin-4G	Q9NTN9	SEMA4G
5807	Semaphorin-5A	Q13591	SEMA5A
5808	Semaphorin-5B	Q9P283	SEMA5B
5809	Semaphorin-6A	Q9H2E6	SEMA6A



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SomaScan v4.1 Protein List

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#	Human Target or Analyte	UniProt ID	GeneID
5810	Semaphorin-6A	Q9H2E6	SEMA6A
5811	Semaphorin-6B	Q9H3T3	SEMA6B
5812	Semaphorin-6C	Q9H3T2	SEMA6C
5813	Semaphorin-6C, cytoplasmic	Q9H3T2	SEMA6C
5814	Semaphorin-6D	Q8NFY4	SEMA6D
5815	Semaphorin-7A	O75326	SEMA7A
5816	Semenogelin-1	P04279	SEMG1
5817	Sentan	A6NMZ2	SNTN
5818	Sentrin-specific protease 1	Q9P0U3	SENP1
5819	Sentrin-specific protease 2	Q9HC62	SENP2
5820	Sentrin-specific protease 7	Q9BQF6	SENP7
5821	Sentrin-specific protease 8	Q96LD8	SENP8
5822	Sepiapterin reductase	P35270	SPR
5823	Septin-1	Q8WYJ6	SEPTIN1
5824	Septin-10	Q9P0V9	SEPTIN10
5825	Septin-11	Q9NVA2	SEPTIN11
5826	Septin-5	Q99719	SEPTIN5
5827	Septin-6	Q14141	SEPTIN6
5828	Sequestosome-1	Q13501	SQSTM1
5829	Sequestosome-1	Q13501	SQSTM1
5830	Serglycin	P10124	SRGN
5831	Serine dehydratase-like	Q96GA7	SDSL
5832	Serine hydroxymethyltransferase, cytosolic	P34896	SHMT1
5833	Serine hydroxymethyltransferase, mitochondrial	P34897	SHMT2
5834	Serine palmitoyltransferase 1	O15269	SPTLC1
5835	Serine palmitoyltransferase 2	O15270	SPTLC2
5836	Serine protease 27	Q9BQR3	PRSS27
5837	Serine protease 27	Q9BQR3	PRSS27
5838	Serine protease 57	Q6UWY2	PRSS57
5839	Serine protease HTRA1	Q92743	HTRA1
5840	Serine protease HTRA2, mitochondrial	O43464	HTRA2
5841	Serine protease inhibitor Kazal-type 1	P00995	SPINK1



#	Human Target or Analyte	UniProt ID	GeneID
5842	Serine protease inhibitor Kazal-type 13	Q1W4C9	SPINK13
5843	Serine protease inhibitor Kazal-type 14	Q6IE38	SPINK14
5844	Serine protease inhibitor Kazal-type 2	P20155	SPINK2
5845	Serine protease inhibitor Kazal-type 4	O60575	SPINK4
5846	Serine protease inhibitor Kazal-type 5	Q9NQ38	SPINK5
5847	Serine protease inhibitor Kazal-type 6	Q6UWN8	SPINK6
5848	Serine protease inhibitor Kazal-type 7	P58062	SPINK7
5849	Serine protease inhibitor Kazal-type 8	P0C7L1	SPINK8
5850	Serine protease inhibitor Kazal-type 9	Q5DT21	SPINK9
5851	Serine/arginine-rich splicing factor 6	Q13247	SRSF6
5852	Serine/arginine-rich splicing factor 7	Q16629	SRSF7
5853	Serine/threonine kinase 10	O94804	STK10
5854	Serine/threonine/tyrosine-interacting protein	Q8WUJ0	STYX
5855	Serine/threonine-protein kinase 16	O75716	STK16
5856	Serine/threonine-protein kinase 17B	O94768	STK17B
5857	Serine/threonine-protein kinase 17B	O94768	STK17B
5858	Serine/threonine-protein kinase 17B	O94768	STK17B
5859	Serine/threonine-protein kinase 24	Q9Y6E0	STK24
5860	Serine/threonine-protein kinase 3	Q13188	STK3
5861	Serine/threonine-protein kinase 4	Q13043	STK4
5862	Serine/threonine-protein kinase A-Raf	P10398	ARAF
5863	Serine/threonine-protein kinase B-raf	P15056	BRAF
5864	Serine/threonine-protein kinase BRSK2	Q8IWQ3	BRSK2
5865	Serine/threonine-protein kinase Chk1	O14757	CHEK1
5866	Serine/threonine-protein kinase Chk2	O96017	CHEK2
5867	Serine/threonine-protein kinase Chk2	O96017	CHEK2
5868	Serine/threonine-protein kinase DCLK1	O15075	DCLK1
5869	Serine/threonine-protein kinase DCLK3	Q9C098	DCLK3
5870	Serine/threonine-protein kinase MRCK alpha	Q5VT25	CDC42BPA
5871	Serine/threonine-protein kinase MRCK beta	Q9Y5S2	CDC42BPB
5872	Serine/threonine-protein kinase N1	Q16512	PKN1
5873	Serine/threonine-protein kinase N2	Q16513	PKN2



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SomaScan v4.1 Protein List

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#	Human Target or Analyte	UniProt ID	GeneID
5874	Serine/threonine-protein kinase Nek7	Q8TDX7	NEK7
5875	Serine/threonine-protein kinase OSR1	O95747	OXSR1
5876	Serine/threonine-protein kinase PAK 3	O75914	PAK3
5877	Serine/threonine-protein kinase PAK 4	O96013	PAK4
5878	Serine/threonine-protein kinase PAK 5	Q9P286	PAK5
5879	Serine/threonine-protein kinase PAK 6	Q9NQU5	PAK6
5880	Serine/threonine-protein kinase pim-1	P11309	PIM1
5881	Serine/threonine-protein kinase Pim-2	Q9P1W9	PIM2
5882	Serine/threonine-protein kinase PLK1	P53350	PLK1
5883	Serine/threonine-protein kinase receptor R3	P37023	ACVRL1
5884	Serine/threonine-protein kinase receptor R3	P37023	ACVRL1
5885	Serine/threonine-protein kinase Sgk1	O00141	SGK1
5886	Serine/threonine-protein kinase Sgk3	Q96BR1	SGK3
5887	Serine/threonine-protein kinase SRPK1	Q96SB4	SRPK1
5888	Serine/threonine-protein kinase SRPK2	P78362	SRPK2
5889	Serine/threonine-protein kinase TBK1	Q9UHD2	TBK1
5890	Serine/threonine-protein kinase tousled-like 1	Q9UKI8	TLK1
5891	Serine/threonine-protein kinase ULK3	Q6PHR2	ULK3
5892	Serine/threonine-protein kinase VRK1	Q99986	VRK1
5893	Serine/threonine-protein kinase WNK1	Q9H4A3	WNK1
5894	Serine/threonine-protein kinase WNK3	Q9BYP7	WNK3
5895	Serine/threonine-protein kinase/endoribonuclease IRE1	O75460	ERN1
5896	Serine/threonine-protein phosphatase 1 regulatory subunit 10	Q96QC0	PPP1R10
5897	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform	Q15172	PPP2R5A
5898	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform	Q14738	PPP2R5D
5899	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	P30153	PPP2R1A
5900	Serine/threonine-protein phosphatase 2A regulatory subunit B'	Q15257	PTPA
5901	Serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha	Q06190	PPP2R3A
5902	Serine/threonine-protein phosphatase 4 catalytic subunit	P60510	PPP4C
5903	Serine/threonine-protein phosphatase 4 regulatory subunit 3A	Q6IN85	PPP4R3A
5904	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	P36873	PPP1CC
5905	Serine--pyruvate aminotransferase	P21549	AGXT

#	Human Target or Analyte	UniProt ID	GeneID
5906	Serine-rich single-pass membrane protein 1	Q8WWF3	SSMEM1
5907	Serine--tRNA ligase, cytoplasmic	P49591	SARS1
5908	Serine--tRNA ligase, mitochondrial	Q9NP81	SARS2
5909	Serotransferrin	P02787	TF
5910	Serpин A11	Q86U17	SERPINA11
5911	Serpин A12	Q8IW75	SERPINA12
5912	Serpин A9	Q86WD7	SERPINA9
5913	Serpин B13	Q9UIV8	SERPINB13
5914	Serpин B4	P48594	SERPINB4
5915	Serpин B5	P36952	SERPINB5
5916	Serpин B8	P50452	SERPINB8
5917	Serpин B9	P50453	SERPINB9
5918	Serpин H1	P50454	SERPINH1
5919	Serpин I2	O75830	SERPINI2
5920	Serrate RNA effector molecule homolog	Q9BXP5	SRRT
5921	SERTA domain-containing protein 3	Q9UJW9	SERTAD3
5922	Serum albumin	P02768	ALB
5923	Serum amyloid A-1 protein	P0DJI8	SAA1
5924	Serum amyloid A-1 protein	P0DJI8	SAA1
5925	Serum amyloid A-2 protein	P0DJI9	SAA2
5926	Serum amyloid A-4 protein	P35542	SAA4
5927	Serum amyloid P-component	P02743	APCS
5928	Serum paraoxonase/arylesterase 1	P27169	PON1
5929	Serum response factor-binding protein 1	Q8NEF9	SRFBP1
5930	Sesquipedalian-2	Q6ICB4	PHETA2
5931	Set1/Ash2 histone methyltransferase complex subunit ASH2	Q9UBL3	ASH2L
5932	SET-binding protein	Q9Y6X0	SETBP1
5933	Sex hormone-binding globulin	P04278	SHBG
5934	Sex hormone-binding globulin	P04278	SHBG
5935	Sex-determining region Y protein	Q05066	SRY
5936	S-formylglutathione hydrolase	P10768	ESD
5937	SH2 domain-containing adapter protein D	Q96IW2	SHD

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5938	SH2 domain-containing protein 1A	O60880	SH2D1A
5939	SH2 domain-containing protein 1B	O14796	SH2D1B
5940	SH2 domain-containing protein 3C	Q8N5H7	SH2D3C
5941	SH2B adapter protein 3	Q9UQQ2	SH2B3
5942	SH3 and cysteine-rich domain-containing protein	Q99469	STAC
5943	SH3 and multiple ankyrin repeat domains protein 1	Q9Y566	SHANK1
5944	SH3 and multiple ankyrin repeat domains protein 1	Q9Y566	SHANK1
5945	SH3 and multiple ankyrin repeat domains protein 3	Q9BYB0	SHANK3
5946	SH3 and PX domain-containing protein 2B	A1X283	SH3PXD2B
5947	SH3 domain-binding glutamic acid-rich-like protein	O75368	SH3BGRL
5948	SH3 domain-binding glutamic acid-rich-like protein 2	Q9UJC5	SH3BGRL2
5949	SH3 domain-binding glutamic acid-rich-like protein 3	Q9H299	SH3BGRL3
5950	SH3 domain-binding protein 2	P78314	SH3BP2
5951	SH3 domain-binding protein 5	O60239	SH3BP5
5952	SH3 domain-containing kinase-binding protein 1	Q96B97	SH3KBP1
5953	SH3KBP1-binding protein 1	Q8TBC3	SHKBP1
5954	Shadow of prion protein	Q5BIV9	SPRN
5955	Sharpin	Q9H0F6	SHARPIN
5956	SHC-transforming protein 1:Phosphotyrosine Interaction Domain	P29353	SHC1
5957	SHC-transforming protein 1:Src Homology domain	P29353	SHC1
5958	SHC-transforming protein 2	P98077	SHC2
5959	SHC-transforming protein 4	Q6S5L8	SHC4
5960	SHIP	Q92835	INPP5D
5961	Short stature homeobox protein	O15266	SHOX
5962	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial	P45954	ACADSB
5963	Short-chain dehydrogenase/reductase 3	O75911	DHRS3
5964	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	P16219	ACADS
5965	Sia-alpha-2,3-Gal-beta-1,4-GlcNAc-R:alpha 2,8-sialyltransferase	O43173	ST8SIA3
5966	Sialate O-acetylesterase	Q9HAT2	SIAE
5967	Sialic acid synthase	Q9NR45	NANS
5968	Sialic acid-binding Ig-like lectin 11:Cytoplasmic domain, Isoform 2	Q96RL6	SIGLEC11
5969	Sialic acid-binding Ig-like lectin 11:Extracellular domain, Isoform 1	Q96RL6	SIGLEC11



#	Human Target or Analyte	UniProt ID	GeneID
5970	Sialic acid-binding Ig-like lectin 12:Ig-like C2-type 2 domain, Isoform short	Q96PQ1	SIGLEC12
5971	Sialic acid-binding Ig-like lectin 12:Ig-like V-type 2 domain, Isoform long	Q96PQ1	SIGLEC12
5972	Sialic acid-binding Ig-like lectin 14	Q08ET2	SIGLEC14
5973	Sialic acid-binding Ig-like lectin 14	Q08ET2	SIGLEC14
5974	Sialic acid-binding Ig-like lectin 14	Q08ET2	SIGLEC14
5975	Sialic acid-binding Ig-like lectin 15	Q6ZMC9	SIGLEC15
5976	Sialic acid-binding Ig-like lectin 5	O15389	SIGLEC5
5977	Sialic acid-binding Ig-like lectin 5	O15389	SIGLEC5
5978	Sialic acid-binding Ig-like lectin 5	O15389	SIGLEC5
5979	Sialic acid-binding Ig-like lectin 6	O43699	SIGLEC6
5980	Sialic acid-binding Ig-like lectin 7	Q9Y286	SIGLEC7
5981	Sialic acid-binding Ig-like lectin 8	Q9NYZ4	SIGLEC8
5982	Sialic acid-binding Ig-like lectin 9	Q9Y336	SIGLEC9
5983	Sialidase-1	Q99519	NEU1
5984	Sialidase-1	Q99519	NEU1
5985	Sialoadhesin	Q9BZZ2	SIGLEC1
5986	Sideroflexin-5	Q8TD22	SFXN5
5987	Signal peptidase complex subunit 1	Q9Y6A9	SPCS1
5988	Signal peptide, CUB and EGF-like domain-containing protein 1	Q8IWY4	SCUBE1
5989	Signal peptide, CUB and EGF-like domain-containing protein 3	Q8IX30	SCUBE3
5990	Signal recognition particle 14 kDa protein	P37108	SRP14
5991	Signal recognition particle 19 kDa protein	P09132	SRP19
5992	Signal transducer and activator of transcription 1-alpha/beta	P42224	STAT1
5993	Signal transducer and activator of transcription 1-alpha/beta	P42224	STAT1
5994	Signal transducer and activator of transcription 3	P40763	STAT3
5995	Signal transducer and activator of transcription 3	P40763	STAT3
5996	Signal transducer and activator of transcription 5A	P42229	STAT5A
5997	Signal transducer and activator of transcription 5B	P51692	STAT5B
5998	Signal transducer and activator of transcription 6	P42226	STAT6
5999	Signaling lymphocytic activation molecule	Q13291	SLAMF1
6000	Signaling threshold-regulating transmembrane adapter 1	Q9Y3P8	SIT1
6001	Signal-regulatory protein beta-1	O00241	SIRPB1

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6002	Signal-regulatory protein beta-2	Q5JXA9	SIRPB2
6003	Signal-regulatory protein gamma	Q9P1W8	SIRPG
6004	Signal-transducing adaptor protein 1	Q9ULZ2	STAP1
6005	silent mating type information regulation 2 homolog	Q8N6T7	SIRT6
6006	Sin3 histone deacetylase corepressor complex component SDS3	Q9H7L9	SUDS3
6007	Single Ig IL-1-related receptor	Q6IA17	SIGIRR
6008	Single-pass membrane and coiled-coil domain-containing protein 1	Q147U7	SMCO1
6009	Single-pass membrane and coiled-coil domain-containing protein 2	A6NFE2	SMCO2
6010	Single-stranded DNA-binding protein, mitochondrial	Q04837	SSBP1
6011	Sister chromatid cohesion protein DCC1	Q9BVC3	DSCC1
6012	Sjogren syndrome nuclear autoantigen 1	O43805	SSNA1
6013	Ski-like protein	P12757	SKIL
6014	SLAM family member 5	Q9UIB8	CD84
6015	SLAM family member 5	Q9UIB8	CD84
6016	SLAM family member 6	Q96DU3	SLAMF6
6017	SLAM family member 7	Q9NQ25	SLAMF7
6018	SLAM family member 7	Q9NQ25	SLAMF7
6019	SLAM family member 8	Q9P0V8	SLAMF8
6020	SLAM family member 9	Q96A28	SLAMF9
6021	SLIT and NTRK-like protein 1	Q96PX8	SLITRK1
6022	SLIT and NTRK-like protein 1	Q96PX8	SLITRK1
6023	SLIT and NTRK-like protein 2	Q9H156	SLITRK2
6024	SLIT and NTRK-like protein 3	O94933	SLITRK3
6025	SLIT and NTRK-like protein 4	Q8IW52	SLITRK4
6026	SLIT and NTRK-like protein 5	O94991	SLITRK5
6027	SLIT and NTRK-like protein 6	Q9H5Y7	SLITRK6
6028	Slit homolog 1 protein	O75093	SLIT1
6029	Slit homolog 2 protein	O94813	SLIT2
6030	Slit homolog 3 protein	O75094	SLIT3
6031	SLIT-ROBO Rho GTPase-activating protein 2	O75044	SRGAP2
6032	SLP adapter and CSK-interacting membrane protein	Q6UWF3	SCIMP
6033	Smad nuclear-interacting protein 1	Q8TAD8	SNIP1



#	Human Target or Analyte	UniProt ID	GeneID
6034	SMAD5	Q99717	SMAD5
6035	Small conductance calcium-activated potassium channel protein 1	Q92952	KCNN1
6036	Small EDRK-rich factor 1	O75920	SERF1A
6037	Small EDRK-rich factor 2	P84101	SERF2
6038	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	O43765	SGTA
6039	Small glutamine-rich tetratricopeptide repeat-containing protein beta	Q96EQ0	SGTB
6040	Small integral membrane protein 10	Q96HG1	SMIM10
6041	Small integral membrane protein 13	P0DJ93	SMIM13
6042	Small integral membrane protein 24	O75264	SMIM24
6043	Small integral membrane protein 3	Q9BZL3	SMIM3
6044	Small integral membrane protein 9	A6NGZ8	SMIM9
6045	Small nuclear ribonucleoprotein E	P62304	SNRPE
6046	Small nuclear ribonucleoprotein F	P62306	SNRPF
6047	Small nuclear ribonucleoprotein G	P62308	SNRPG
6048	Small nuclear ribonucleoprotein Sm D2	P62316	SNRPD2
6049	Small nuclear ribonucleoprotein Sm D3	P62318	SNRPD3
6050	Small RNA 2'-O-methyltransferase	Q5T8I9	HENMT1
6051	Small ubiquitin-related modifier 2	P61956	SUMO2
6052	Small ubiquitin-related modifier 3	P55854	SUMO3
6053	Small ubiquitin-related modifier 3	P55854	SUMO3
6054	Small ubiquitin-related modifier 4	Q6EEV6	SUMO4
6055	Small vasohibin-binding protein	Q8N300	SVBP
6056	Small VCP/p97-interacting protein	Q8NHG7	SVIP
6057	S-methyl-5'-thioadenosine phosphorylase	Q13126	MTAP
6058	S-methylmethionine--homocysteine S-methyltransferase BHMT2	Q9H2M3	BHMT2
6059	Smoothelin	P53814	SMTN
6060	SNARE-associated protein Snapin	O95295	SNAPIN
6061	Snrportin-1	O95149	SNUPN
6062	Sodium- and chloride-dependent glycine transporter 1	P48067	SLC6A9
6063	Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+)	Q9UN76	SLC6A14
6064	Sodium channel subunit beta-2	O60939	SCN2B
6065	Sodium channel subunit beta-3	Q9NY72	SCN3B

#	Human Target or Analyte	UniProt ID	GeneID
6066	Sodium channel subunit beta-4	Q8IWT1	SCN4B
6067	Sodium/iodide cotransporter	Q92911	SLC5A5
6068	Sodium/potassium-transporting ATPase gamma chain	P54710	FXYD2
6069	Sodium/potassium-transporting ATPase subunit beta-1	P05026	ATP1B1
6070	Sodium/potassium-transporting ATPase subunit beta-2	P14415	ATP1B2
6071	Sodium/potassium-transporting ATPase subunit beta-3	P54709	ATP1B3
6072	Sodium-coupled monocarboxylate transporter 1	Q8N695	SLC5A8
6073	Sodium-independent sulfate anion transporter	Q86WA9	SLC26A11
6074	Soluble calcium-activated nucleotidase 1	Q8WVQ1	CANT1
6075	soluble Endothelial protein C receptor	Q9UNN8	PROCR
6076	Solute carrier family 22 member 16	Q86VW1	SLC22A16
6077	Solute carrier family 25 member 38	Q96DW6	SLC25A38
6078	Solute carrier family 35 member G2	Q8TBE7	SLC35G2
6079	Solute carrier family 41 member 2	Q96JW4	SLC41A2
6080	Solute carrier organic anion transporter family member 5A1	Q9H2Y9	SLCO5A1
6081	Somatotropin	P01286	GHRH
6082	Somatotropin	P01286	GHRH
6083	Somatostatin receptor type 1	P30872	SSTR1
6084	Somatostatin-28	P61278	SST
6085	Somatotropin	P01241	GH1
6086	Son of sevenless homolog 1	Q07889	SOS1
6087	Sonic hedgehog protein	Q15465	SHH
6088	Sorbitol dehydrogenase	Q00796	SORD
6089	Sorcin	P30626	SRI
6090	Sortilin	Q99523	SORT1
6091	Sorting and assembly machinery component 50 homolog	Q9Y512	SAMM50
6092	Sorting nexin 16	P57768	SNX16
6093	Sorting nexin-1	Q13596	SNX1
6094	Sorting nexin-1	Q13596	SNX1
6095	Sorting nexin-11	Q9Y5W9	SNX11
6096	Sorting nexin-12	Q9UMY4	SNX12
6097	Sorting nexin-15	Q9NRS6	SNX15



#	Human Target or Analyte	UniProt ID	GeneID
6098	Sorting nexin-17	Q15036	SNX17
6099	Sorting nexin-27	Q96L92	SNX27
6100	Sorting nexin-3	O60493	SNX3
6101	Sorting nexin-4	O95219	SNX4
6102	Sorting nexin-5	Q9Y5X3	SNX5
6103	Sorting nexin-7	Q9UNH6	SNX7
6104	Sorting nexin-8	Q9Y5X2	SNX8
6105	SOSS complex subunit B2	Q96AH0	NABP1
6106	SOSS complex subunit C	Q9NRY2	INIP
6107	SOX-9	P48436	SOX9
6108	SPARC	P09486	SPARC
6109	SPARC	P09486	SPARC
6110	SPARC-like protein 1	Q14515	SPARCL1
6111	SPARC-like protein 1	Q14515	SPARCL1
6112	SPARC-related modular calcium-binding protein 1	Q9H4F8	SMOC1
6113	SPARC-related modular calcium-binding protein 1	Q9H4F8	SMOC1
6114	SPARC-related modular calcium-binding protein 2	Q9H3U7	SMOC2
6115	Spartin	Q8N0X7	SPART
6116	Spastin:Cytoplasmic domain	Q9UBP0	SPAST
6117	Spastin:Microtubule interacting and trafficking domain	Q9UBP0	SPAST
6118	Specifically androgen-regulated gene protein	Q9BW04	SARG
6119	Speckle-type POZ protein	O43791	SPOP
6120	Spectrin alpha chain, non-erythrocytic 1	Q13813	SPTAN1
6121	Speriolin-like protein	Q9H0A9	SPATC1L
6122	Sperm acrosome membrane-associated protein 1	Q9HBV2	SPACA1
6123	Sperm acrosome membrane-associated protein 3	Q8IXA5	SPACA3
6124	Sperm acrosome-associated protein 5	Q96QH8	SPACA5
6125	Sperm antigen with calponin homology and coiled-coil domains 1	Q5M775	SPECC1
6126	Sperm flagellar protein 1	Q9Y4P9	SPEF1
6127	Sperm protein associated with the nucleus on the X chromosome A	Q9NS26	SPANXA1
6128	Sperm protein associated with the nucleus on the X chromosome N3	Q5MJ09	SPANXN3
6129	Sperm protein associated with the nucleus on the X chromosome N4	Q5MJ08	SPANXN4

#	Human Target or Analyte	UniProt ID	GeneID
6130	Sperm surface protein Sp17	Q15506	SPA17
6131	Sperm-associated antigen 11A	Q6PDA7	SPAG11A
6132	Sperm-associated antigen 11B	Q08648	SPAG11B
6133	Sperm-associated antigen 7	O75391	SPAG7
6134	Spermatogenesis-associated protein 20	Q8TB22	SPATA20
6135	Spermatogenesis-associated protein 22	Q8NHS9	SPATA22
6136	Spermatogenesis-associated protein 24	Q86W54	SPATA24
6137	Spermatogenesis-associated protein 33	Q96N06	SPATA33
6138	Spermatogenesis-associated protein 46	Q5T0L3	SPATA46
6139	Spermatogenesis-associated protein 5	Q8NB90	SPATA5
6140	Spermatogenesis-associated protein 9	Q9BWV2	SPATA9
6141	Spermidine synthase	P19623	SRM
6142	Spermine synthase	P52788	SMS
6143	S-phase kinase-associated protein 1	P63208	SKP1
6144	S-phase kinase-associated protein 2	Q13309	SKP2
6145	Sphingomyelin phosphodiesterase	P17405	SMPD1
6146	Sphingosine kinase 1	Q9NYA1	SPHK1
6147	Sphingosine kinase 2	Q9NRA0	SPHK2
6148	Spindle and kinetochore-associated protein 1	Q96BD8	SKA1
6149	Spindlin-1	Q9Y657	SPIN1
6150	Spindlin-3	Q5JUX0	SPIN3
6151	sPLA(2)-XII	Q9BZM1	PLA2G12A
6152	Spliceosome RNA helicase DDX39B	Q13838	DDX39B
6153	Splicing factor 1	Q15637	SF1
6154	Splicing factor 3B subunit 4	Q15427	SF3B4
6155	Splicing factor 3B subunit 6	Q9Y3B4	SF3B6
6156	Splicing factor 45	Q96I25	RBM17
6157	Splicing factor U2AF 65 kDa subunit	P26368	U2AF2
6158	Spondin-1	Q9HCB6	SPON1
6159	Spondin-1	Q9HCB6	SPON1
6160	Spondin-2	Q9BUD6	SPON2
6161	Sprouty-related, EVH1 domain-containing protein 1	Q7Z699	SPRED1

#	Human Target or Analyte	UniProt ID	GeneID
6162	SPRY domain-containing SOCS box protein 1	Q96BD6	SPSB1
6163	Squamous cell carcinoma antigen 1	P29508	SERPINB3
6164	Stabinin-1	Q9NY15	STAB1
6165	Stabinin-2	Q8WWQ8	STAB2
6166	STAM-binding protein	O95630	STAMBP
6167	Stannin	O75324	SNN
6168	Stanniocalcin-1	P52823	STC1
6169	Stanniocalcin-2	O76061	STC2
6170	Staphylococcal nuclease domain-containing protein 1	Q7KZF4	SND1
6171	StAR-related lipid transfer protein 5	Q9NSY2	STARD5
6172	StAR-related lipid transfer protein 7, mitochondrial	Q9NQZ5	STARD7
6173	START domain-containing protein 10	Q9Y365	STARD10
6174	Statherin	P02808	STATH
6175	Stathmin	P16949	STMN1
6176	Stathmin-2	Q93045	STMN2
6177	Stathmin-3	Q9NZ72	STMN3
6178	Stathmin-4	Q9H169	STMN4
6179	Stem cell growth factor-alpha	Q9Y240	CLEC11A
6180	Stem cell growth factor-beta	Q9Y240	CLEC11A
6181	Sterile alpha motif domain-containing protein 12	Q8N8I0	SAMD12
6182	Sterile alpha motif domain-containing protein 4B	Q5PRF9	SAMD4B
6183	Steroid hormone receptor ERR1	P11474	ESRRA
6184	Steroid receptor RNA activator 1	Q9HD15	SRA1
6185	Steroidogenic acute regulatory protein, mitochondrial	P49675	STAR
6186	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	Q15738	NSDHL
6187	Stomatin-like protein 1	Q9UBI4	STOML1
6188	Stomatin-like protein 2, mitochondrial	Q9UJZ1	STOML2
6189	Stress-70 protein, mitochondrial	P38646	HSPA9
6190	Stress-induced-phosphoprotein 1	P31948	STIP1
6191	Stromal cell-derived factor 1	P48061	CXCL12
6192	Stromal cell-derived factor 1	P48061	CXCL12
6193	Stromal cell-derived factor 1	P48061	CXCL12

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6194	Stromal cell-derived factor 2	Q99470	SDF2
6195	Stromal cell-derived factor 2-like protein 1	Q9HCN8	SDF2L1
6196	Stromal interaction molecule 1:Cytoplasmic domain	Q13586	STIM1
6197	Stromal interaction molecule 1:Extracellular domain	Q13586	STIM1
6198	Stromal membrane-associated protein 1	Q8IYB5	SMAP1
6199	Stromelysin-1	P08254	MMP3
6200	Stromelysin-2	P09238	MMP10
6201	Stromelysin-2	P09238	MMP10
6202	Structural maintenance of chromosomes protein 3	Q9UQE7	SMC3
6203	Submaxillary gland androgen-regulated protein 3A	Q99954	SMR3A
6204	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	P21912	SDHB
6205	Succinate dehydrogenase assembly factor 1, mitochondrial	A6NFY7	SDHAF1
6206	Succinate dehydrogenase assembly factor 2, mitochondrial	Q9NX18	SDHAF2
6207	Succinate-semialdehyde dehydrogenase, mitochondrial	P51649	ALDH5A1
6208	Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial	P55809	OXCT1
6209	Sulfatase-modifying factor 1	Q8NBK3	SUMF1
6210	Sulfatase-modifying factor 2	Q8NBJ7	SUMF2
6211	Sulphydryl oxidase 1	O00391	QSOX1
6212	Sulphydryl oxidase 2	Q6ZRP7	QSOX2
6213	Sulfiredoxin-1	Q9BYN0	SRXN1
6214	Sulfite oxidase, mitochondrial	P51687	SUOX
6215	Sulfotransferase 1A3	P0DMM9	SULT1A3
6216	Sulfotransferase 1C2	O00338	SULT1C2
6217	Sulfotransferase 1C4	O75897	SULT1C4
6218	Sulfotransferase 4A1	Q9BR01	SULT4A1
6219	Sulfotransferase 6B1	Q6IMI4	SULT6B1
6220	Sulfotransferase family cytosolic 1B member 1	O43704	SULT1B1
6221	Sulfotransferase family cytosolic 2B member 1	O00204	SULT2B1
6222	SULT 1A1*2	P50225	SULT1A1
6223	SUMO-activating enzyme subunit 2	Q9UBT2	UBA2
6224	SUMO-conjugating enzyme UBC9	P63279	UBE2I
6225	SUN domain-containing protein 3	Q8TAQ9	SUN3



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6226	SUN domain-containing protein 5	Q8TC36	SUN5
6227	Superoxide dismutase [Cu-Zn]	P00441	SOD1
6228	Superoxide dismutase [Mn], mitochondrial	P04179	SOD2
6229	Suppressor of cytokine signaling 3	O14543	SOCS3
6230	Suppressor of cytokine signaling 7	O14512	SOCS7
6231	Suppressor of fused homolog	Q9UMX1	SUFU
6232	Suprabasin	Q6UWP8	SBSN
6233	Surfactant-associated protein 2	Q6UW10	SFTA2
6234	Surfeit locus protein 1	Q15526	SURF1
6235	Survival motor neuron protein	Q16637	SMN1
6236	Survival of motor neuron-related-splicing factor 30	O75940	SMNDC1
6237	Sushi domain-containing protein 1	Q6UWL2	SUSD1
6238	Sushi domain-containing protein 3	Q96L08	SUSD3
6239	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1:EGF-like domains 4-6	Q4LDE5	SVEP1
6240	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1:Sushi 15-18	Q4LDE5	SVEP1
6241	SWI/SNF complex subunit SMARCC1	Q92922	SMARCC1
6242	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin sub-family E member 1-related	Q9P0W2	HMG20B
6243	Switch-associated protein 70	Q9UH65	SWAP70
6244	Synapse-associated protein 1	Q96A49	SYAP1
6245	Synapsin-3	O14994	SYN3
6246	Synaptic vesicle glycoprotein 2A	Q7L0J3	SV2A
6247	Synaptic vesicle membrane protein VAT-1 homolog	Q99536	VAT1
6248	Synaptic vesicle membrane protein VAT-1 homolog-like	Q9HCJ6	VAT1L
6249	Synaptogyrin-3	O43761	SYNGR3
6250	Synaptjanin-2-binding protein	P57105	SYNJ2BP
6251	Synaptonemal complex central element protein 1-like	A8MT33	SYCE1L
6252	Synaptosomal-associated protein 23	O00161	SNAP23
6253	Synaptosomal-associated protein 25	P60880	SNAP25
6254	Synaptosomal-associated protein 29	O95721	SNAP29
6255	Synaptotagmin-1	P21579	SYT1
6256	Synaptotagmin-11	Q9BT88	SYT11



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6257	Synaptotagmin-12	Q8IV01	SYT12
6258	Synaptotagmin-13	Q7L8C5	SYT13
6259	Synaptotagmin-17	Q9BSW7	SYT17
6260	Synaptotagmin-2	Q8N9I0	SYT2
6261	Synaptotagmin-4	Q9H2B2	SYT4
6262	Synaptotagmin-5	O00445	SYT5
6263	Synaptotagmin-6	Q5T7P8	SYT6
6264	Synaptotagmin-7	O43581	SYT7
6265	Synaptotagmin-8	Q8NBV8	SYT8
6266	Synaptotagmin-9	Q86SS6	SYT9
6267	Synaptotagmin-like protein 1	Q8IYJ3	SYTL1
6268	Synaptotagmin-like protein 2	Q9HCH5	SYTL2
6269	Synaptotagmin-like protein 4:Ca2+-dependent membrane-targeting module 1	Q96C24	SYTL4
6270	Synaptotagmin-like protein 4:Ca2+-dependent membrane-targeting module 2	Q96C24	SYTL4
6271	Syndecan-3	O75056	SDC3
6272	Synembryon-A	Q9NPQ8	RIC8A
6273	synovial sarcoma, X breakpoint 4	O60224	SSX4
6274	Synphilin-1	Q9Y6H5	SNCAIP
6275	Syntaphilin	O15079	SNPH
6276	Syntaxin-10	O60499	STX10
6277	Syntaxin-12	Q86Y82	STX12
6278	Syntaxin-17	P56962	STX17
6279	Syntaxin-18	Q9P2W9	STX18
6280	Syntaxin-1A	Q16623	STX1A
6281	Syntaxin-1A	Q16623	STX1A
6282	Syntaxin-1B	P61266	STX1B
6283	Syntaxin-2	P32856	STX2
6284	Syntaxin-3	Q13277	STX3
6285	Syntaxin-4	Q12846	STX4
6286	Syntaxin-6	O43752	STX6
6287	Syntaxin-7	O15400	STX7
6288	Syntaxin-8	Q9UNK0	STX8

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6289	Syntaxin-binding protein 4	Q6ZWJ1	STXBP4
6290	Syntaxin-binding protein 6	Q8NFX7	STXBP6
6291	Syntenin-1	O00560	SDCBP
6292	Syntenin-2	Q9H190	SDCBP2
6293	Syntenin-2	Q9H190	SDCBP2
6294	Tachykinin-4	Q86UU9	TAC4
6295	Talin-2	Q9Y4G6	TLN2
6296	Tankyrase-1	O95271	TNKS
6297	Tapasin	O15533	TAPBP
6298	Tapasin-related protein	Q9BX59	TAPBPL
6299	TAR DNA-binding protein 43	Q13148	TARDBP
6300	Target of Myb protein 1	O60784	TOM1
6301	Tartrate-resistant acid phosphatase type 5	P13686	ACP5
6302	TATA box-binding protein-like protein 1	P62380	TBPL1
6303	TATA-binding protein-associated factor 2N	Q92804	TAF15
6304	TATA-binding protein-associated factor 2N	Q92804	TAF15
6305	TATA-box-binding protein	P20226	TBP
6306	Tax1-binding protein 1	Q86VP1	TAX1BP1
6307	Tax1-binding protein 3	O14907	TAX1BP3
6308	TBC1 domain family member 13	Q9NVG8	TBC1D13
6309	TBC1 domain family member 20	Q96BZ9	TBC1D20
6310	TBC1 domain family member 22B	Q9NU19	TBC1D22B
6311	TBC1 domain family member 24	Q9ULP9	TBC1D24
6312	TBC1 domain family member 25	Q3MII6	TBC1D25
6313	TBC1 domain family member 28	Q2M2D7	TBC1D28
6314	TBC1 domain family member 5	Q92609	TBC1D5
6315	T-box transcription factor TBX22	Q9Y458	TBX22
6316	T-box transcription factor TBX3	O15119	TBX3
6317	T-box transcription factor TBX5	Q99593	TBX5
6318	T-cell antigen CD7	P09564	CD7
6319	T-cell immunoglobulin and mucin domain-containing protein 4	Q96H15	TIMD4
6320	T-cell immunoreceptor with Ig and ITIM domains	Q495A1	TIGIT

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6321	T-cell immunoreceptor with Ig and ITIM domains	Q495A1	TIGIT
6322	T-cell leukemia/lymphoma protein 1A	P56279	TCL1A
6323	T-cell leukemia/lymphoma protein 1B	O95988	TCL1B
6324	T-cell receptor-associated transmembrane adapter 1	Q6PIZ9	TRAT1
6325	T-cell surface antigen CD2	P06729	CD2
6326	T-cell surface glycoprotein CD1a	P06126	CD1A
6327	T-cell surface glycoprotein CD1b	P29016	CD1B
6328	T-cell surface glycoprotein CD3 epsilon chain	P07766	CD3E
6329	T-cell surface glycoprotein CD3 epsilon chain	P07766	CD3E
6330	T-cell surface glycoprotein CD3 gamma chain	P09693	CD3G
6331	T-cell surface glycoprotein CD3 zeta chain	P20963	CD247
6332	T-cell surface glycoprotein CD3 zeta chain	P20963	CD247
6333	T-cell surface glycoprotein CD4	P01730	CD4
6334	T-cell surface glycoprotein CD5:Cytoplasmic domain	P06127	CD5
6335	T-cell surface glycoprotein CD5:Extracellular domain	P06127	CD5
6336	T-cell surface glycoprotein CD8 alpha chain	P01732	CD8A
6337	T-cell surface glycoprotein CD8 alpha chain	P01732	CD8A
6338	T-cell surface glycoprotein CD8 beta chain	P10966	CD8B
6339	T-cell surface protein tactile	P40200	CD96
6340	T-complex protein 1 subunit alpha	P17987	TCP1
6341	T-complex protein 1 subunit epsilon	P48643	CCT5
6342	T-complex protein 1 subunit eta	Q99832	CCT7
6343	T-complex protein 1 subunit theta	P50990	CCT8
6344	T-complex protein 10A homolog	Q12799	TCP10L3
6345	T-complex protein 10A homolog 2	B9ZVM9	None
6346	T-complex protein 11 homolog	Q8WWU5	TCP11
6347	T-complex protein 11-like protein 1	Q9NUJ3	TCP11L1
6348	Tectonic-2	Q96GX1	TCTN2
6349	Telethonin	O15273	TCAP
6350	Telomere repeats-binding bouquet formation protein 2	Q8NHR7	TERB2
6351	Telomeric repeat-binding factor 1	P54274	TERF1
6352	Tenascin	P24821	TNC

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6353	Tenascin	P24821	TNC
6354	Tenascin	P24821	TNC
6355	Tenascin	P24821	TNC
6356	Tenascin	P24821	TNC
6357	Tenascin	P24821	TNC
6358	Tenascin	P24821	TNC
6359	Tenascin	P24821	TNC
6360	Tenascin-R	Q92752	TNR
6361	Tenascin-X	P22105	TNXB
6362	Teneurin-2	Q9NT68	TENM2
6363	Teneurin-3	Q9P273	TENM3
6364	Teneurin-4	Q6N022	TENM4
6365	Tenomodulin	Q9H2S6	TNMD
6366	Tensin-2	Q63HR2	TNS2
6367	Tensin-4	Q8IZW8	TNS4
6368	Teratocarcinoma-derived growth factor 1	P13385	TDGF1
6369	TERF1-interacting nuclear factor 2	Q9BSI4	TINF2
6370	Testican-1	Q08629	SPOCK1
6371	Testican-1	Q08629	SPOCK1
6372	Testican-2	Q92563	SPOCK2
6373	Testican-3	Q9BQ16	SPOCK3
6374	Testicular spindle-associated protein SHCBP1L	Q9BZQ2	SHCBP1L
6375	Testin	Q9UGI8	TES
6376	Testis-expressed protein 30	Q5JUR7	TEX30
6377	Testis-expressed sequence 29 protein	Q8N6K0	TEX29
6378	Testis-specific chromodomain protein Y 1	Q9Y6F8	CDY1
6379	Testis-specific serine/threonine-protein kinase 1	Q9BXA7	TSSK1B
6380	Testis-specific serine/threonine-protein kinase 2	Q96PF2	TSSK2
6381	Tether containing UBX domain for GLUT4	Q9BZE9	ASPSCR1
6382	Tetranectin	P05452	CLEC3B
6383	Tetratricopeptide repeat protein 1	Q99614	TTC1
6384	Tetratricopeptide repeat protein 17:Tetratricopeptide repeat 2	Q96AE7	TTC17

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6385	Tetratricopeptide repeat protein 17:Tetratricopeptide repeat 3	Q96AE7	TTC17
6386	Tetratricopeptide repeat protein 25	Q96NG3	TTC25
6387	Tetratricopeptide repeat protein 27	Q6P3X3	TTC27
6388	Tetratricopeptide repeat protein 32	Q5I0X7	TTC32
6389	Tetratricopeptide repeat protein 33	Q6PID6	TTC33
6390	Tetratricopeptide repeat protein 36	A6NLP5	TTC36
6391	Tetratricopeptide repeat protein 9A	Q92623	TTC9
6392	Tetratricopeptide repeat protein 9B	Q8N6N2	TTC9B
6393	TGF-beta receptor type-1	P36897	TGFBR1
6394	TGF-beta receptor type-2	P37173	TGFBR2
6395	THAP domain-containing protein 11	Q96EK4	THAP11
6396	THAP domain-containing protein 2	Q9H0W7	THAP2
6397	THAP domain-containing protein 4	Q8WY91	THAP4
6398	Thiamin pyrophosphokinase 1	Q9H3S4	TPK1
6399	Thiamine-triphosphatase	Q9BU02	THTPA
6400	Thimet oligopeptidase	P52888	THOP1
6401	Thiopurine S-methyltransferase	P51580	TPMT
6402	Thioredoxin	P10599	TXN
6403	Thioredoxin domain-containing protein 1	Q9H3N1	TMX1
6404	Thioredoxin domain-containing protein 11:C-term	Q6PKC3	TXNDC11
6405	Thioredoxin domain-containing protein 11:N-term	Q6PKC3	TXNDC11
6406	Thioredoxin domain-containing protein 12	O95881	TXNDC12
6407	Thioredoxin domain-containing protein 12	O95881	TXNDC12
6408	Thioredoxin domain-containing protein 15	Q96J42	TXNDC15
6409	Thioredoxin domain-containing protein 3	Q8N427	NME8
6410	Thioredoxin domain-containing protein 5	Q8NBS9	TXNDC5
6411	Thioredoxin domain-containing protein 9	O14530	TXNDC9
6412	Thioredoxin reductase 1, cytoplasmic	Q16881	TXNRD1
6413	Thioredoxin-dependent peroxide reductase, mitochondrial	P30048	PRDX3
6414	Thioredoxin-interacting protein	Q9H3M7	TXNIP
6415	Thioredoxin-like protein 1	O43396	TXNL1
6416	Thioredoxin-like protein 4A	P83876	TXNL4A



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6417	Thioredoxin-like protein 4B	Q9NX01	TXNL4B
6418	Thioredoxin-related transmembrane protein 2	Q9Y320	TMX2
6419	Thiosulfate sulfurtransferase	Q16762	TST
6420	Thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 1	Q8NFU3	TSTD1
6421	THO complex subunit 1	Q96FV9	THOC1
6422	Three prime repair exonuclease 2	Q9BQ50	TREX2
6423	Threonine-tRNA ligase, cytoplasmic	P26639	TARS1
6424	Thrombin	P00734	F2
6425	Thrombopoietin	P40225	THPO
6426	Thrombopoietin	P40225	THPO
6427	Thrombopoietin Receptor	P40238	MPL
6428	Thrombospondin type-1 domain-containing protein 1	Q9NS62	THSD1
6429	Thrombospondin type-1 domain-containing protein 7A:Thrombospondin type-1 domain 17	Q9UPZ6	THSD7A
6430	Thrombospondin type-1 domain-containing protein 7A:Thrombospondin type-1 domain 6	Q9UPZ6	THSD7A
6431	Thrombospondin-1	P07996	THBS1
6432	Thrombospondin-2	P35442	THBS2
6433	Thrombospondin-2	P35442	THBS2
6434	Thrombospondin-3	P49746	THBS3
6435	Thrombospondin-4	P35443	THBS4
6436	Thrombospondin-type laminin G domain and EAR repeat-containing protein	Q8WU66	TSPEAR
6437	Thromboxane-A synthase	P24557	TBXAS1
6438	Thy-1 membrane glycoprotein	P04216	THY1
6439	Thymic stromal lymphopoietin	Q969D9	TSLP
6440	Thymidine kinase 2, mitochondrial	O00142	TK2
6441	Thymidine kinase, cytosolic	P04183	TK1
6442	Thymidine phosphorylase	P19971	TYMP
6443	Thymidylate kinase	P23919	DTYMK
6444	Thymidylate synthase	P04818	TYMS
6445	Thymocyte nuclear protein 1	Q9P016	THYN1
6446	Thyroglobulin	P01266	TG
6447	Thyroid hormone receptor alpha	P10827	THRA

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6448	Thyroid hormone receptor beta	P10828	THRB
6449	Thyroid peroxidase	P07202	TPO
6450	Thyroid Stimulating Hormone	P01215 P01222	CGA TSHB
6451	Thyroid transcription factor 1-associated protein 26	Q9P031	CCDC59
6452	Thyrotroph embryonic factor	Q10587	TEF
6453	Thyrotropin receptor	P16473	TSHR
6454	Thyroxine-binding globulin	P05543	SERPINA7
6455	Tight junction protein ZO-1	Q07157	TJP1
6456	TIMELESS-interacting protein	Q9BVW5	TIPIN
6457	TIP41-like protein	O75663	TIPRL
6458	TIR domain-containing adapter molecule 2	Q86XR7	TICAM2
6459	Tissue Factor	P13726	F3
6460	Tissue factor pathway inhibitor	P10646	TFPI
6461	Tissue factor pathway inhibitor 2	P48307	TFPI2
6462	Tissue-type plasminogen activator	P00750	PLAT
6463	Titin	Q8WZ42	TTN
6464	TLD domain-containing protein 2	A0PJX2	TLDC2
6465	TLR4 interactor with leucine rich repeats:Cytoplasmic domain	Q7L0X0	TRIL
6466	TLR4 interactor with leucine rich repeats:Extracellular domain	Q7L0X0	TRIL
6467	T-lymphocyte activation antigen CD80	P33681	CD80
6468	T-lymphocyte activation antigen CD80	P33681	CD80
6469	T-lymphocyte activation antigen CD86	P42081	CD86
6470	T-lymphocyte activation antigen CD86	P42081	CD86
6471	T-lymphocyte surface antigen Ly-9	Q9HBG7	LY9
6472	T-lymphoma invasion and metastasis-inducing protein 1	Q13009	TIAM1
6473	T-lymphoma invasion and metastasis-inducing protein 2	Q8IVF5	TIAM2
6474	TM2 domain-containing protein 1	Q9BX74	TM2D1
6475	TNF receptor-associated factor 1	Q13077	TRAF1
6476	TNF receptor-associated factor 4	Q9BUZ4	TRAF4
6477	TNF receptor-associated factor 4	Q9BUZ4	TRAF4
6478	TNFAIP3-interacting protein 1	Q15025	TNIP1
6479	Toll/interleukin-1 receptor domain-containing adapter protein	P58753	TIRAP

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6480	Toll-interacting protein	Q9H0E2	TOLLIP
6481	Toll-like receptor 1:Cytoplasmic domain	Q15399	TLR1
6482	Toll-like receptor 1:Extracellular domain	Q15399	TLR1
6483	Toll-like receptor 10	Q9BXR5	TLR10
6484	Toll-like receptor 2	O60603	TLR2
6485	Toll-like receptor 3	O15455	TLR3
6486	Toll-like receptor 4	O00206	TLR4
6487	Toll-like receptor 4:Lymphocyte antigen 96 complex	O00206 Q9Y6Y9	TLR4 LY96
6488	Toll-like receptor 5	O60602	TLR5
6489	Tolloid-like protein 1	O43897	TLL1
6490	TOM1-like protein 1	O75674	TOM1L1
6491	TOM1-like protein 2	Q6ZVM7	TOM1L2
6492	TOMM20-like protein 1	Q6UXN7	TOMM20L
6493	Tomoregulin-1	Q8IYR6	TMEFF1
6494	Torsin-1A-interacting protein 1:Nuclear domain	Q5JTV8	TOR1AIP1
6495	Torsin-1A-interacting protein 1:Perinuclear domain	Q5JTV8	TOR1AIP1
6496	Torsin-1A-interacting protein 2	Q8NFQ8	TOR1AIP2
6497	Torsin-4A	Q9NXH8	TOR4A
6498	TOX high mobility group box family member 3	O15405	TOX3
6499	TP53-regulated inhibitor of apoptosis 1	O43715	TRIAP1
6500	TPT1-like protein	Q56UQ5	FLJ44635
6501	TraB domain-containing protein	Q9H4I3	TRABD
6502	TRAF family member-associated NF-kappa-B activator	Q92844	TANK
6503	Trafficking protein particle complex subunit 13	A5PLN9	TRAPP13
6504	Trafficking protein particle complex subunit 2	P0DI81	TRAPP2
6505	Trafficking protein particle complex subunit 3	O43617	TRAPP3
6506	Trafficking protein particle complex subunit 4	Q9Y296	TRAPP4
6507	Trafficking protein particle complex subunit 5	Q8IUR0	TRAPP5
6508	Trafficking protein particle complex subunit 6A	O75865	TRAPP6A
6509	Trafficking protein particle complex subunit 6B	Q86SZ2	TRAPP6B
6510	TRAF-interacting protein with FHA domain-containing protein A	Q96CG3	TIFA
6511	Trans-3-hydroxy-L-proline dehydratase	Q96EM0	L3HYPDH



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6512	Transaldolase	P37837	TALDO1
6513	Transcobalamin-1	P20061	TCN1
6514	Transcobalamin-1	P20061	TCN1
6515	Transcobalamin-2	P20062	TCN2
6516	Transcription cofactor HES-6	Q96HZ4	HES6
6517	Transcription cofactor vestigial-like protein 4	Q14135	VGLL4
6518	Transcription elongation factor A protein 1	P23193	TCEA1
6519	Transcription elongation factor A protein 2	Q15560	TCEA2
6520	Transcription elongation factor A protein 2	Q15560	TCEA2
6521	Transcription elongation factor A protein 3	O75764	TCEA3
6522	Transcription elongation factor A protein-like 1	Q15170	TCEAL1
6523	Transcription elongation factor A protein-like 2	Q9H3H9	TCEAL2
6524	Transcription elongation factor A protein-like 3	Q969E4	TCEAL3
6525	Transcription elongation factor A protein-like 4	Q96EI5	TCEAL4
6526	Transcription elongation factor A protein-like 5	Q5H9L2	TCEAL5
6527	Transcription elongation factor A protein-like 7	Q9BRU2	TCEAL7
6528	Transcription elongation factor A protein-like 8	Q8IYN2	TCEAL8
6529	Transcription factor 12	Q99081	TCF12
6530	Transcription factor 21	O43680	TCF21
6531	Transcription factor 24	Q7RTU0	TCF24
6532	Transcription factor 4	P15884	TCF4
6533	Transcription factor A, mitochondrial	Q00059	TFAM
6534	Transcription factor AP-1	P05412	JUN
6535	Transcription factor CP2-like protein 1	Q9NZI6	TCFCP2L1
6536	Transcription factor ETV7	Q9Y603	ETV7
6537	Transcription factor HES-1	Q14469	HES1
6538	Transcription factor HES-3	Q5TGS1	HES3
6539	Transcription factor HES-5	Q5TA89	HES5
6540	Transcription factor IIIB 90 kDa subunit	Q92994	BRF1
6541	Transcription factor IIIB 90 kDa subunit	Q92994	BRF1
6542	Transcription factor jun-D	P17535	JUND
6543	Transcription factor MafG	O15525	MAFG

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6544	Transcription factor PU.1	P17947	SPI1
6545	Transcription factor RelB	Q01201	RELB
6546	Transcription factor SOX-10	P56693	SOX10
6547	Transcription factor SOX-2	P48431	SOX2
6548	Transcription factor SOX-6	P35712	SOX6
6549	Transcription factor Sp6	Q3SY56	SP6
6550	Transcription factor TFIIB component B" homolog	A6H8Y1	BDP1
6551	Transcription factor YY2	O15391	YY2
6552	Transcription initiation factor IIA subunit 2	P52657	GTF2A2
6553	Transcription initiation factor IIB	Q00403	GTF2B
6554	Transcription initiation factor IIE subunit beta	P29084	GTF2E2
6555	Transcription initiation factor TFIID subunit 10	Q12962	TAF10
6556	Transcription initiation factor TFIID subunit 12	Q16514	TAF12
6557	Transcription initiation factor TFIID subunit 8	Q7Z7C8	TAF8
6558	Transcription intermediary factor 1-beta	Q13263	TRIM28
6559	Transcription regulator protein BACH1	O14867	BACH1
6560	Transcription regulator protein BACH2	Q9BYV9	BACH2
6561	Transcriptional activator Myb	P10242	MYB
6562	Transcriptional activator protein Pur-alpha	Q00577	PURA
6563	Transcriptional activator protein Pur-beta	Q96QR8	PURB
6564	Transcriptional adapter 1	Q96BN2	TADA1
6565	Transcriptional adapter 2-alpha	O75478	TADA2A
6566	Transcriptional adapter 3	O75528	TADA3
6567	Transcriptional coactivator YAP1	P46937	YAP1
6568	Transcriptional enhancer factor TEF-3	Q15561	TEAD4
6569	Transcriptional enhancer factor TEF-5	Q99594	TEAD3
6570	Transcriptional regulator Kaiso	Q86T24	ZBTB33
6571	Transcriptional repressor CTCF	P49711	CTCF
6572	Transcriptional repressor protein YY1	P25490	YY1
6573	Transducin beta-like protein 2	Q9Y4P3	TBL2
6574	Transferrin receptor protein 1:Cytoplasmic domain	P02786	TFRC
6575	Transferrin receptor protein 1:Extracellular domain	P02786	TFRC

#	Human Target or Analyte	UniProt ID	GeneID
6576	Transferrin receptor protein 2	Q9UP52	TFR2
6577	Transformer-2 protein homolog beta	P62995	TRA2B
6578	Transforming acidic coiled-coil-containing protein 3	Q9Y6A5	TACC3
6579	Transforming growth factor beta receptor type 3	Q03167	TGFBR3
6580	Transforming growth factor beta-1	P01137	TGFB1
6581	Transforming growth factor beta-1	P01137	TGFB1
6582	Transforming growth factor beta-1	P01137	TGFB1
6583	Transforming growth factor beta-2	P61812	TGFB2
6584	Transforming growth factor beta-3	P10600	TGFB3
6585	Transforming growth factor-beta-induced protein ig-h3	Q15582	TGFB1
6586	Transforming protein RhoA	P61586	RHOA
6587	Transgelin	Q01995	TAGLN
6588	Transgelin	Q01995	TAGLN
6589	Transgelin-2	P37802	TAGLN2
6590	Transgelin-2	P37802	TAGLN2
6591	Transgelin-3	Q9UI15	TAGLN3
6592	Translational endoplasmic reticulum ATPase	P55072	VCP
6593	Transketolase	P29401	TKT
6594	Translation initiation factor eIF-2B subunit alpha	Q14232	EIF2B1
6595	Translation initiation factor IF-3, mitochondrial	Q9H2K0	MTIF3
6596	Translation machinery-associated protein 16	Q96EY4	TMA16
6597	Translational activator of cytochrome c oxidase 1	Q9BSH4	TACO1
6598	Translationally-controlled tumor protein	P13693	TPT1
6599	Translationally-controlled tumor protein	P13693	TPT1
6600	Translin	Q15631	TSN
6601	Translocon-associated protein subunit alpha	P43307	SSR1
6602	Translocon-associated protein subunit beta	P43308	SSR2
6603	Transmembrane and coiled-coil domain-containing protein 5A	Q8N6Q1	TMCO5A
6604	Transmembrane and coiled-coil domains protein 3:region 1	Q9ULS5	TMCC3
6605	Transmembrane and coiled-coil domains protein 3:region 2	Q9ULS5	TMCC3
6606	Transmembrane and immunoglobulin domain-containing protein 2	Q96BF3	TMIGD2
6607	Transmembrane and ubiquitin-like domain-containing protein 1	Q9BVT8	TMUB1

#	Human Target or Analyte	UniProt ID	GeneID
6608	Transmembrane and ubiquitin-like domain-containing protein 2	Q71RG4	TMUB2
6609	Transmembrane emp24 domain-containing protein 10	P49755	TMED10
6610	Transmembrane emp24 domain-containing protein 2	Q15363	TMED2
6611	Transmembrane emp24 domain-containing protein 4	Q7Z7H5	TMED4
6612	Transmembrane emp24 domain-containing protein 9	Q9BVK6	TMED9
6613	Transmembrane gamma-carboxyglutamic acid protein 1:Cytoplasmic domain	O14668	PRRG1
6614	Transmembrane gamma-carboxyglutamic acid protein 1:Pro-form, Extracellular domain	O14668	PRRG1
6615	Transmembrane gamma-carboxyglutamic acid protein 4	Q9BZD6	PRRG4
6616	Transmembrane glycoprotein NMB:Cytoplasmic domain	Q14956	GPNMB
6617	Transmembrane glycoprotein NMB:Extracellular domain	Q14956	GPNMB
6618	Transmembrane glycoprotein NMB:Extracellular domain	Q14956	GPNMB
6619	Transmembrane glycoprotein NMB:Extracellular domain	Q14956	GPNMB
6620	Transmembrane protease serine 11A	Q6ZMR5	TMPRSS11A
6621	Transmembrane protease serine 11B	Q86T26	TMPRSS11B
6622	Transmembrane protease serine 11D	O60235	TMPRSS11D
6623	Transmembrane protease serine 5	Q9H3S3	TMPRSS5
6624	Transmembrane protease serine 6	Q8IU80	TMPRSS6
6625	Transmembrane protein 106A	Q96A25	TMEM106A
6626	Transmembrane protein 106B	Q9NUM4	TMEM106B
6627	Transmembrane protein 108	Q6UXF1	TMEM108
6628	Transmembrane protein 119	Q4V9L6	TMEM119
6629	Transmembrane protein 132A	Q24JP5	TMEM132A
6630	Transmembrane protein 132B	Q14DG7	TMEM132B
6631	Transmembrane protein 132C:Cytoplasmic domain	Q8N3T6	TMEM132C
6632	Transmembrane protein 132C:Extracellular domain	Q8N3T6	TMEM132C
6633	Transmembrane protein 132D	Q14C87	TMEM132D
6634	Transmembrane protein 154	Q6P9G4	TMEM154
6635	Transmembrane protein 185A	Q8NFB2	TMEM185A
6636	Transmembrane protein 190	Q8WZ59	TMEM190
6637	Transmembrane protein 2	Q9UHN6	CEMIP2
6638	Transmembrane protein 221	A6NGB7	TMEM221
6639	Transmembrane protein 225B	P0DP42	TMEM225B



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6640	Transmembrane protein 230	Q96A57	TMEM230
6641	Transmembrane protein 234	Q8WY98	TMEM234
6642	Transmembrane protein 237	Q96Q45	TMEM237
6643	Transmembrane protein 24	O14523	C2CD2L
6644	Transmembrane protein 25	Q86YD3	TMEM25
6645	Transmembrane protein 52	Q8NDY8	TMEM52
6646	Transmembrane protein 52B	Q4KMG9	TMEM52B
6647	Transmembrane protein 59-like	Q9UK28	TMEM59L
6648	Transmembrane protein 70, mitochondrial	Q9BUB7	TMEM70
6649	Transmembrane protein 87B	Q96K49	TMEM87B
6650	Transmembrane protein 8B	A6NDV4	TMEM8B
6651	Transmembrane protein 9:Cytoplasmic domain	Q9P0T7	TMEM9
6652	Transmembrane protein 9:Extracellular domain	Q9P0T7	TMEM9
6653	Transmembrane protein C16orf54	Q6UWD8	C16orf54
6654	Transmembrane protein C1orf162	Q8NEQ5	C1orf162
6655	Transmembrane protein PVRIG	Q6DKI7	PVRIG
6656	Trefoil factor 1	P04155	TFF1
6657	Trefoil factor 2	Q03403	TFF2
6658	Trefoil factor 2	Q03403	TFF2
6659	Trefoil factor 3	Q07654	TFF3
6660	Trefoil factor 3	Q07654	TFF3
6661	Trem-like transcript 1 protein:Extracellular domain, Ig-like V-type domain	Q86YW5	TREML1
6662	Trem-like transcript 1 protein:immunoreceptor tyrosine-based inhibition motif	Q86YW5	TREML1
6663	Trem-like transcript 2 protein	Q5T2D2	TREML2
6664	Tribbles homolog 2	Q92519	TRIB2
6665	Tricarboxylate transport protein, mitochondrial	P53007	SLC25A1
6666	Triggering receptor expressed on myeloid cells 1	Q9NP99	TREM1
6667	Triggering receptor expressed on myeloid cells 2	Q9NZC2	TREM2
6668	Triggering receptor expressed on myeloid cells 2	Q9NZC2	TREM2
6669	Triggering receptor expressed on myeloid cells 2	Q9NZC2	TREM2
6670	Trimeric intracellular cation channel type B	Q9NVV0	TMEM38B
6671	Trinucleotide repeat-containing gene 6B protein	Q9UPQ9	TNRC6B

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6672	Triosephosphate isomerase	P60174	TPI1
6673	Tripartite motif-containing protein 3	O75382	TRIM3
6674	Tripartite motif-containing protein 40	Q6P9F5	TRIM40
6675	Tripartite motif-containing protein 5	Q9C035	TRIM5
6676	Tripartite motif-containing protein 54	Q9BYV2	TRIM54
6677	Tripartite motif-containing protein 55	Q9BYV6	TRIM55
6678	Tripartite motif-containing protein 72	Q6ZMU5	TRIM72
6679	Tripeptidyl-peptidase 1	O14773	TPP1
6680	Tripeptidyl-peptidase 2	P29144	TPP2
6681	Triple functional domain protein	O75962	TRIO
6682	Tristetraproline	P26651	ZFP36
6683	TRM112-like protein	Q9UI30	TRMT112
6684	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit TRM6	Q9UJA5	TRMT6
6685	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial	Q9BVS5	TRMT61B
6686	tRNA (cytosine(38)-C(5))-methyltransferase	O14717	TRDMT1
6687	tRNA (guanine-N(7)-)methyltransferase	Q9UBP6	METTL1
6688	tRNA 2'-phosphotransferase 1	Q86TN4	TRPT1
6689	tRNA pseudouridine synthase A, mitochondrial	Q9Y606	PUS1
6690	tRNA wybutosine-synthesizing protein 3 homolog	Q6IPR3	TYW3
6691	tRNA wybutosine-synthesizing protein 5	A2RUC4	TYW5
6692	tRNA-dihydrouridine(20) synthase [NAD(P)+]-like	Q9NX74	DUS2
6693	tRNA-specific adenosine deaminase 1	Q9BUB4	ADAT1
6694	tRNA-specific adenosine deaminase 2	Q7Z6V5	ADAT2
6695	tRNA-splicing endonuclease subunit Sen15	Q8WW01	TSEN15
6696	tRNA-splicing endonuclease subunit Sen34	Q9BSV6	TSEN34
6697	Tropomodulin-1	P28289	TMOD1
6698	Tropomodulin-2	Q9NZR1	TMOD2
6699	Tropomodulin-3	Q9NYL9	TMOD3
6700	Tropomodulin-4	Q9NZQ9	TMOD4
6701	Tropomyosin alpha-1 chain	P09493	TPM1
6702	Tropomyosin alpha-3 chain	P06753	TPM3
6703	Tropomyosin alpha-3 chain	P06753	TPM3

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6704	Tropomyosin alpha-4 chain	P67936	TPM4
6705	Tropomyosin alpha-4 chain	P67936	TPM4
6706	Tropomyosin beta chain	P07951	TPM2
6707	Troponin I, cardiac muscle	P19429	TNNI3
6708	Troponin I, cardiac muscle	P19429	TNNI3
6709	Troponin I, fast skeletal muscle	P48788	TNNI2
6710	Troponin T, cardiac muscle	P45379	TNNT2
6711	Troponin T, fast skeletal muscle	P45378	TNNT3
6712	Trypsin-1	P07477	PRSS1
6713	Trypsin-2	P07478	PRSS2
6714	Trypsin-3	P35030	PRSS3
6715	Trypsin-3	P35030	PRSS3
6716	Tryptase beta-1	Q15661	TPSAB1
6717	Tryptase beta-2	P20231	TPSB2
6718	Tryptase beta-2	P20231	TPSB2
6719	Tryptase gamma	Q9NRR2	TPSG1
6720	Tryptase gamma	Q9NRR2	TPSG1
6721	Tryptophan 2,3-dioxygenase	P48775	TDO2
6722	Tryptophan 5-hydroxylase 1	P17752	TPH1
6723	Tryptophan-tRNA ligase, cytoplasmic	P23381	WARS1
6724	Tryptophan-tRNA ligase, mitochondrial	Q9UGM6	WARS2
6725	TSC22 domain family protein 3	Q99576	TSC22D3
6726	t-SNARE domain-containing protein 1	Q96NA8	TSNARE1
6727	Tubby-related protein 1	O00294	TULP1
6728	Tuberin	P49815	TSC2
6729	Tuberoinfundibular peptide of 39 residues	Q96A98	PTH2
6730	Tubulin polyglutamylase complex subunit 2	Q68CL5	TPGS2
6731	Tubulin polymerization-promoting protein	O94811	TPPP
6732	Tubulin polymerization-promoting protein family member 2	P59282	TPPP2
6733	Tubulin polymerization-promoting protein family member 3	Q9BW30	TPPP3
6734	Tubulin-folding cofactor B	Q99426	TBCB
6735	Tubulin-specific chaperone A	O75347	TBCA

#	Human Target or Analyte	UniProt ID	GeneID
6736	Tubulin-specific chaperone C	Q15814	TBCC
6737	Tubulin-specific chaperone cofactor E-like protein	Q5QJ74	TBCEL
6738	Tubulin-specific chaperone E	Q15813	TBCE
6739	Tubulin--tyrosine ligase	Q8NG68	TTL
6740	Tubulin--tyrosine ligase-like protein 12	Q14166	TTLL12
6741	Tubulointerstitial nephritis antigen-like	Q9GZM7	TINAGL1
6742	Tudor-interacting repair regulator protein	Q9BRJ7	NUDT16L1
6743	Tuftelin	Q9NNX1	TUFT1
6744	Tuftelin-interacting protein 11	Q9UBB9	TFIP11
6745	Tumor necrosis factor	P01375	TNF
6746	Tumor necrosis factor	P01375	TNF
6747	Tumor necrosis factor alpha-induced protein 3	P21580	TNFAIP3
6748	Tumor necrosis factor alpha-induced protein 8	O95379	TNFAIP8
6749	Tumor necrosis factor ligand superfamily member 10	P50591	TNFSF10
6750	Tumor necrosis factor ligand superfamily member 11	O14788	TNFSF11
6751	Tumor necrosis factor ligand superfamily member 11	O14788	TNFSF11
6752	Tumor necrosis factor ligand superfamily member 12	O43508	TNFSF12
6753	Tumor necrosis factor ligand superfamily member 13B	Q9Y275	TNFSF13B
6754	Tumor necrosis factor ligand superfamily member 14	O43557	TNFSF14
6755	Tumor necrosis factor ligand superfamily member 14	O43557	TNFSF14
6756	Tumor necrosis factor ligand superfamily member 15	O95150	TNFSF15
6757	Tumor necrosis factor ligand superfamily member 15	O95150	TNFSF15
6758	Tumor necrosis factor ligand superfamily member 18	Q9UNG2	TNFSF18
6759	Tumor necrosis factor ligand superfamily member 4	P23510	TNFSF4
6760	Tumor necrosis factor ligand superfamily member 4	P23510	TNFSF4
6761	Tumor necrosis factor ligand superfamily member 6, soluble form	P48023	FASLG
6762	Tumor necrosis factor ligand superfamily member 8	P32971	TNFSF8
6763	Tumor necrosis factor ligand superfamily member 9	P41273	TNFSF9
6764	Tumor necrosis factor receptor superfamily member 10A	O00220	TNFRSF10A
6765	Tumor necrosis factor receptor superfamily member 10B	O14763	TNFRSF10B
6766	Tumor necrosis factor receptor superfamily member 10B:Death domain	O14763	TNFRSF10B
6767	Tumor necrosis factor receptor superfamily member 10B:Extracellular domain, TNFR-Cys domains 1-3	O14763	TNFRSF10B



#	Human Target or Analyte	UniProt ID	GeneID
6768	Tumor necrosis factor receptor superfamily member 10D	Q9UBN6	TNFRSF10D
6769	Tumor necrosis factor receptor superfamily member 11A	Q9Y6Q6	TNFRSF11A
6770	Tumor necrosis factor receptor superfamily member 11B	O00300	TNFRSF11B
6771	Tumor necrosis factor receptor superfamily member 12A	Q9NP84	TNFRSF12A
6772	Tumor necrosis factor receptor superfamily member 13B	O14836	TNFRSF13B
6773	Tumor necrosis factor receptor superfamily member 13C	Q96RJ3	TNFRSF13C
6774	Tumor necrosis factor receptor superfamily member 14	Q92956	TNFRSF14
6775	Tumor necrosis factor receptor superfamily member 14	Q92956	TNFRSF14
6776	Tumor necrosis factor receptor superfamily member 14	Q92956	TNFRSF14
6777	Tumor necrosis factor receptor superfamily member 16	P08138	NGFR
6778	Tumor necrosis factor receptor superfamily member 17	Q02223	TNFRSF17
6779	Tumor necrosis factor receptor superfamily member 18	Q9Y5U5	TNFRSF18
6780	Tumor necrosis factor receptor superfamily member 18	Q9Y5U5	TNFRSF18
6781	Tumor necrosis factor receptor superfamily member 19	Q9NS68	TNFRSF19
6782	Tumor necrosis factor receptor superfamily member 19L	Q969Z4	RELT
6783	Tumor necrosis factor receptor superfamily member 19L	Q969Z4	RELT
6784	Tumor necrosis factor receptor superfamily member 1A	P19438	TNFRSF1A
6785	Tumor necrosis factor receptor superfamily member 1B	P20333	TNFRSF1B
6786	Tumor necrosis factor receptor superfamily member 1B	P20333	TNFRSF1B
6787	Tumor necrosis factor receptor superfamily member 21	O75509	TNFRSF21
6788	Tumor necrosis factor receptor superfamily member 21	O75509	TNFRSF21
6789	Tumor necrosis factor receptor superfamily member 25	Q93038	TNFRSF25
6790	Tumor necrosis factor receptor superfamily member 27	Q9HAV5	EDA2R
6791	Tumor necrosis factor receptor superfamily member 3	P36941	LTBR
6792	Tumor necrosis factor receptor superfamily member 4	P43489	TNFRSF4
6793	Tumor necrosis factor receptor superfamily member 6	P25445	FAS
6794	Tumor necrosis factor receptor superfamily member 6	P25445	FAS
6795	Tumor necrosis factor receptor superfamily member 6	P25445	FAS
6796	Tumor necrosis factor receptor superfamily member 6	P25445	FAS
6797	Tumor necrosis factor receptor superfamily member 6B	O95407	TNFRSF6B
6798	Tumor necrosis factor receptor superfamily member 8	P28908	TNFRSF8
6799	Tumor necrosis factor receptor superfamily member 9	Q07011	TNFRSF9



#	Human Target or Analyte	UniProt ID	GeneID
6800	Tumor necrosis factor receptor superfamily member 9	Q07011	TNFRSF9
6801	Tumor necrosis factor receptor superfamily member EDAR	Q9UNE0	EDAR
6802	Tumor necrosis factor receptor type 1-associated DEATH domain protein	Q15628	TRADD
6803	Tumor necrosis factor-inducible gene 6 protein	P98066	TNFAIP6
6804	Tumor protein 63	Q9H3D4	TP63
6805	Tumor protein D53	Q16890	TPD52L1
6806	Tumor protein D54	O43399	TPD52L2
6807	Tumor protein p53-inducible protein 11	O14683	TP53I11
6808	Tumor protein p53-inducible protein 13	Q8NBR0	TP53I13
6809	Tumor susceptibility gene 101 protein	Q99816	TSG101
6810	Tumor-associated calcium signal transducer 2	P09758	TACSTD2
6811	Tumor-associated calcium signal transducer 2	P09758	TACSTD2
6812	Twinfilin-1	Q12792	TWF1
6813	Twinfilin-2	Q6IBS0	TWF2
6814	Twisted gastrulation protein homolog 1	Q9GZX9	TWSG1
6815	TYMS opposite strand protein	Q8TAI1	TYMSOS
6816	Type 2 lactosamine alpha-2,3-sialyltransferase	Q9Y274	ST3GAL6
6817	Type I inositol 1,4,5-trisphosphate 5-phosphatase	Q14642	INPP5A
6818	Type I inositol-3,4-bisphosphate 4-phosphatase	Q96PE3	INPP4A
6819	Type II inositol 1,4,5-trisphosphate 5-phosphatase	P32019	INPP5B
6820	Type II inositol-3,4-bisphosphate 4-phosphatase	O15327	INPP4B
6821	Type III endosome membrane protein TEMP	Q8IVY1	C1orf210
6822	Tyrosine aminotransferase	P17735	TAT
6823	Tyrosine-protein kinase ABL1	P00519	ABL1
6824	Tyrosine-protein kinase BLK	P51451	BLK
6825	Tyrosine-protein kinase BTK	Q06187	BTK
6826	Tyrosine-protein kinase BTK	Q06187	BTK
6827	Tyrosine-protein kinase CSK	P41240	CSK
6828	Tyrosine-protein kinase Fer	P16591	FER
6829	Tyrosine-protein kinase Fgr	P09769	FGR
6830	Tyrosine-protein kinase Fyn	P06241	FYN
6831	Tyrosine-protein kinase HCK	P08631	HCK

#	Human Target or Analyte	UniProt ID	GeneID
6832	Tyrosine-protein kinase JAK2	O60674	JAK2
6833	Tyrosine-protein kinase Lck	P06239	LCK
6834	Tyrosine-protein kinase Lck	P06239	LCK
6835	Tyrosine-protein kinase Lyn	P07948	LYN
6836	Tyrosine-protein kinase Lyn, isoform B	P07948	LYN
6837	Tyrosine-protein kinase receptor Tie-1, soluble	P35590	TIE1
6838	Tyrosine-protein kinase receptor TYRO3	Q06418	TYRO3
6839	Tyrosine-protein kinase receptor TYRO3	Q06418	TYRO3
6840	Tyrosine-protein kinase RYK	P34925	RYK
6841	Tyrosine-protein kinase SYK:Protein kinase domain	P43405	SYK
6842	Tyrosine-protein kinase SYK:Src Homology domain	P43405	SYK
6843	Tyrosine-protein kinase Tec	P42680	TEC
6844	Tyrosine-protein kinase Tec	P42680	TEC
6845	Tyrosine-protein kinase transmembrane receptor ROR2	Q01974	ROR2
6846	Tyrosine-protein kinase Yes	P07947	YES1
6847	Tyrosine-protein kinase ZAP-70	P43403	ZAP70
6848	Tyrosine-protein kinase ZAP-70	P43403	ZAP70
6849	Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1
6850	Tyrosine-protein phosphatase non-receptor type 11	Q06124	PTPN11
6851	Tyrosine-protein phosphatase non-receptor type 11	Q06124	PTPN11
6852	Tyrosine-protein phosphatase non-receptor type 13	Q12923	PTPN13
6853	Tyrosine-protein phosphatase non-receptor type 2	P17706	PTPN2
6854	Tyrosine-protein phosphatase non-receptor type 4	P29074	PTPN4
6855	Tyrosine-protein phosphatase non-receptor type 6	P29350	PTPN6
6856	Tyrosine-protein phosphatase non-receptor type 7	P35236	PTPN7
6857	Tyrosine-protein phosphatase non-receptor type 9	P43378	PTPN9
6858	Tyrosine-protein phosphatase non-receptor type substrate 1	P78324	SIRPA
6859	Tyrosine-protein phosphatase non-receptor type substrate 1	P78324	SIRPA
6860	Tyrosine-tRNA ligase, cytoplasmic	P54577	YARS1
6861	Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1
6862	Tyrosyl-tRNA synthetase, mitochondrial	Q9Y2Z4	YARS2
6863	U1 small nuclear ribonucleoprotein A	P09012	SNRPA



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6864	U1 small nuclear ribonucleoprotein C	P09234	SNRPC
6865	U11/U12 small nuclear ribonucleoprotein 25 kDa protein	Q9BV90	SNRNP25
6866	U2 small nuclear ribonucleoprotein AAE	P09661	SNRPA1
6867	U2 small nuclear ribonucleoprotein B"	P08579	SNRPB2
6868	U3 small nucleolar RNA-associated protein 6 homolog	Q9NYH9	UTP6
6869	U6 snRNA phosphodiesterase	Q9BQ65	USB1
6870	U6 snRNA-associated Sm-like protein LSm1	O15116	LSM1
6871	U6 snRNA-associated Sm-like protein LSm3	P62310	LSM3
6872	U6 snRNA-associated Sm-like protein LSm4	Q9Y4Z0	LSM4
6873	U8 snoRNA-decapping enzyme	Q96DE0	NUDT16
6874	UB2D1/PolyUbiquitin K48	P51668 P0CG47	UBE2D1 UBB
6875	UB2D3/PolyUbiquitin K48	P61077 P0CG47	UBE2D3 UBB
6876	UB2L3/PolyUbiquitin K48	P68036 P0CG47	UBE2L3 UBB
6877	UB2L3/PolyUbiquitin K48	P68036 P0CG47	UBE2L3 UBB
6878	UBE2N (Ubc13)/Uev1a Complex	P61088 Q13404	UBE2N UBE2V1
6879	UBE2N (Ubc13)/Uev1a Complex	P61088 Q13404	UBE2N UBE2V1
6880	UBE2N/UBE2V2 Complex	P61088 Q15819	UBE2N UBE2V2
6881	Ubiquilin-2	Q9UHD9	UBQLN2
6882	Ubiquilin-3	Q9H347	UBQLN3
6883	Ubiquilin-4	Q9NRR5	UBQLN4
6884	Ubiquinone biosynthesis monooxygenase COQ6, mitochondrial	Q9Y2Z9	COQ6
6885	Ubiquinone biosynthesis protein COQ9, mitochondrial	O75208	COQ9
6886	Ubiquitin	P62979	RPS27A
6887	Ubiquitin carboxyl-terminal hydrolase 1	O94782	USP1
6888	Ubiquitin carboxyl-terminal hydrolase 10	Q14694	USP10
6889	Ubiquitin carboxyl-terminal hydrolase 11	P51784	USP11
6890	Ubiquitin carboxyl-terminal hydrolase 12	O75317	USP12
6891	Ubiquitin carboxyl-terminal hydrolase 14	P54578	USP14
6892	Ubiquitin carboxyl-terminal hydrolase 15	Q9Y4E8	USP15
6893	Ubiquitin carboxyl-terminal hydrolase 19	O94966	USP19
6894	Ubiquitin carboxyl-terminal hydrolase 2	O75604	USP2
6895	Ubiquitin carboxyl-terminal hydrolase 21	Q9UK80	USP21



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6896	Ubiquitin carboxyl-terminal hydrolase 22	Q9UPT9	USP22
6897	Ubiquitin carboxyl-terminal hydrolase 25	Q9UHP3	USP25
6898	Ubiquitin carboxyl-terminal hydrolase 28	Q96RU2	USP28
6899	Ubiquitin carboxyl-terminal hydrolase 3	Q9Y6I4	USP3
6900	Ubiquitin carboxyl-terminal hydrolase 30	Q70CQ3	USP30
6901	Ubiquitin carboxyl-terminal hydrolase 4	Q13107	USP4
6902	Ubiquitin carboxyl-terminal hydrolase 46	P62068	USP46
6903	Ubiquitin carboxyl-terminal hydrolase 5	P45974	USP5
6904	Ubiquitin carboxyl-terminal hydrolase 8	P40818	USP8
6905	Ubiquitin carboxyl-terminal hydrolase BAP1	Q92560	BAP1
6906	Ubiquitin carboxyl-terminal hydrolase CYLD	Q9NQC7	CYLD
6907	Ubiquitin carboxyl-terminal hydrolase isozyme L1	P09936	UCHL1
6908	Ubiquitin carboxyl-terminal hydrolase isozyme L5	Q9Y5K5	UCHL5
6909	Ubiquitin conjugation factor E4 A	Q14139	UBE4A
6910	Ubiquitin D	O15205	UBD
6911	Ubiquitin domain-containing protein 2	Q8WUN7	UBTD2
6912	Ubiquitin recognition factor in ER-associated degradation protein 1	Q92890	UFD1
6913	Ubiquitin thioesterase OTUB2	Q96DC9	OTUB2
6914	Ubiquitin thioesterase otulin	Q96BN8	OTULIN
6915	Ubiquitin thioesterase ZRANB1	Q9UGI0	ZRANB1
6916	Ubiquitin/ISG15-conjugating enzyme E2 L6	O14933	UBE2L6
6917	Ubiquitin+1, truncated mutation for UbB	P62979	RPS27A
6918	Ubiquitin-activating enzyme E1	P22314	UBA1
6919	Ubiquitin-associated and SH3 domain-containing protein A	P57075	UBASH3A
6920	Ubiquitin-associated and SH3 domain-containing protein B	Q8TF42	UBASH3B
6921	Ubiquitin-associated domain-containing protein 1	Q9BSL1	UBAC1
6922	Ubiquitin-conjugating enzyme E2 A	P49459	UBE2A
6923	Ubiquitin-conjugating enzyme E2 B	P63146	UBE2B
6924	Ubiquitin-conjugating enzyme E2 C	O00762	UBE2C
6925	Ubiquitin-conjugating enzyme E2 C	O00762	UBE2C
6926	Ubiquitin-conjugating enzyme E2 D1	P51668	UBE2D1
6927	Ubiquitin-conjugating enzyme E2 D2	P62837	UBE2D2

#	Human Target or Analyte	UniProt ID	GeneID
6928	Ubiquitin-conjugating enzyme E2 D3	P61077	UBE2D3
6929	Ubiquitin-conjugating enzyme E2 D3	P61077	UBE2D3
6930	Ubiquitin-conjugating enzyme E2 D4	Q9Y2X8	UBE2D4
6931	Ubiquitin-conjugating enzyme E2 E1	P51965	UBE2E1
6932	Ubiquitin-conjugating enzyme E2 E3	Q969T4	UBE2E3
6933	Ubiquitin-conjugating enzyme E2 G1	P62253	UBE2G1
6934	Ubiquitin-conjugating enzyme E2 G2	P60604	UBE2G2
6935	Ubiquitin-conjugating enzyme E2 H	P62256	UBE2H
6936	Ubiquitin-conjugating enzyme E2 J1	Q9Y385	UBE2J1
6937	Ubiquitin-conjugating enzyme E2 K	P61086	UBE2K
6938	Ubiquitin-conjugating enzyme E2 L3	P68036	UBE2L3
6939	Ubiquitin-conjugating enzyme E2 N	P61088	UBE2N
6940	Ubiquitin-conjugating enzyme E2 Q1	Q7Z7E8	UBE2Q1
6941	Ubiquitin-conjugating enzyme E2 Q1	Q7Z7E8	UBE2Q1
6942	Ubiquitin-conjugating enzyme E2 Q2	Q8WVN8	UBE2Q2
6943	Ubiquitin-conjugating enzyme E2 R1	P49427	CDC34
6944	Ubiquitin-conjugating enzyme E2 R2	Q712K3	UBE2R2
6945	Ubiquitin-conjugating enzyme E2 R2	Q712K3	UBE2R2
6946	Ubiquitin-conjugating enzyme E2 S	Q16763	UBE2S
6947	Ubiquitin-conjugating enzyme E2 T	Q9NPD8	UBE2T
6948	Ubiquitin-conjugating enzyme E2 variant 1	Q13404	UBE2V1
6949	Ubiquitin-conjugating enzyme E2 variant 2	Q15819	UBE2V2
6950	Ubiquitin-conjugating enzyme E2 W	Q96B02	UBE2W
6951	Ubiquitin-conjugating enzyme E2 Z	Q9H832	UBE2Z
6952	Ubiquitin-fold modifier 1	P61960	UFM1
6953	Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	UFC1
6954	Ubiquitin-like domain-containing CTD phosphatase 1	Q8WVY7	UBLCP1
6955	Ubiquitin-like modifier-activating enzyme 5	Q9GZZ9	UBA5
6956	Ubiquitin-like modifier-activating enzyme 6	A0AVT1	UBA6
6957	Ubiquitin-like modifier-activating enzyme 7	P41226	UBA7
6958	Ubiquitin-like modifier-activating enzyme ATG7	O95352	ATG7
6959	Ubiquitin-like protein 3	O95164	UBL3



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#	Human Target or Analyte	UniProt ID	GeneID
6960	Ubiquitin-like protein 4A	P11441	UBL4A
6961	Ubiquitin-like protein 5	Q9BZL1	UBL5
6962	Ubiquitin-like protein 7	Q96S82	UBL7
6963	Ubiquitin-like protein ISG15	P05161	ISG15
6964	Ubiquitin-like protein ISG15	P05161	ISG15
6965	Ubiquitin-like protein Nedd8	Q15843	NEDD8
6966	Ubiquitin-like-conjugating enzyme ATG3	Q9NT62	ATG3
6967	Ubiquitin-protein ligase E3A	Q05086	UBE3A
6968	Ubiquitin-related modifier 1	Q9BTM9	URM1
6969	UBP1/WDR48 Complex	O94782 Q8TAF3	USP1 WDR48
6970	UBP46/WDR48 Complex	P62068 Q8TAF3	USP46 WDR48
6971	UBX domain-containing protein 2B	Q14CS0	UBXN2B
6972	UBX domain-containing protein 4:Cytoplasmic domain 1	Q92575	UBXN4
6973	UBX domain-containing protein 4:Cytoplasmic domain 2	Q92575	UBXN4
6974	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	Q6ZMB0	B3GNT6
6975	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	Q7Z7M8	B3GNT8
6976	UDP-glucose 4-epimerase	Q14376	GALE
6977	UDP-glucose 6-dehydrogenase	O60701	UGDH
6978	UDP-glucuronic acid decarboxylase 1	Q8NBZ7	UXS1
6979	UDP-glucuronosyltransferase 1-1	P22309	UGT1A1
6980	UDP-glucuronosyltransferase 1-6	P19224	UGT1A6
6981	UDP-glucuronosyltransferase 1-8	Q9HAW9	UGT1A8
6982	UDP-glucuronosyltransferase 2A1	Q9Y4X1	UGT2A1
6983	UDP-glucuronosyltransferase 2B15	P54855	UGT2B15
6984	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	O15294	OGT
6985	UDP-N-acetylhexosamine pyrophosphorylase	Q16222	UAP1
6986	ULA1/UBA3	Q13564 Q8TBC4	NAE1 UBA3
6987	UMP-CMP kinase	P30085	CMPK1
6988	UMP-CMP kinase	P30085	CMPK1
6989	Uncharacterized family 31 glucosidase KIAA1161:Cytoplasmic domain	Q6NSJ0	MYORG
6990	Uncharacterized family 31 glucosidase KIAA1161:Extracellular domain	Q6NSJ0	MYORG
6991	Uncharacterized metallophosphoesterase CSTP1	Q9BRF8	CPPED1



#	Human Target or Analyte	UniProt ID	GeneID
6992	Uncharacterized protein C10orf105	Q8TEF2	C10orf105
6993	Uncharacterized protein C10orf35	Q96D05	FAM241B
6994	Uncharacterized protein C11orf70	Q9BRQ4	CFAP300
6995	Uncharacterized protein C11orf87	Q6NUJ2	C11orf87
6996	Uncharacterized protein C11orf94	C9JXX5	None
6997	Uncharacterized protein C12orf76	Q8N812	C12orf76
6998	Uncharacterized protein C14orf93	Q9H972	C14orf93
6999	Uncharacterized protein C15orf17	Q5XKK7	FAM219B
7000	Uncharacterized protein C16orf45	Q96MC5	BMERB1
7001	Uncharacterized protein C16orf71	Q8IYS4	C16orf71
7002	Uncharacterized protein C17orf62	Q9BQA9	CYBC1
7003	Uncharacterized protein C17orf67	Q0P5P2	C17orf67
7004	Uncharacterized protein C17orf78:C-term	Q8N4C9	C17orf78
7005	Uncharacterized protein C17orf78:N-term	Q8N4C9	C17orf78
7006	Uncharacterized protein C17orf89	A1L188	NDUFAF8
7007	Uncharacterized protein C18orf54	Q8IYD9	LAS2
7008	Uncharacterized protein C19orf18	Q8NEA5	C19orf18
7009	Uncharacterized protein C19orf84	I3L1E1	None
7010	Uncharacterized protein C1orf115	Q9H7X2	C1orf115
7011	Uncharacterized protein C1orf185	Q5T7R7	C1orf185
7012	Uncharacterized protein C1orf186	Q6ZWK4	RHEX
7013	Uncharacterized protein C1orf198	Q9H425	C1orf198
7014	Uncharacterized protein C1orf226	A1L170	C1orf226
7015	Uncharacterized protein C1orf43	Q9BWL3	C1orf43
7016	Uncharacterized protein C1orf50	Q9BV19	C1orf50
7017	Uncharacterized protein C20orf173	Q96LM9	C20orf173
7018	Uncharacterized protein C20orf202	A1L168	C20orf202
7019	Uncharacterized protein C21orf59	P57076	CFAP298
7020	Uncharacterized protein C22orf13	Q96NT3	GUCD1
7021	Uncharacterized protein C22orf15	Q8WYQ4	C22orf15
7022	Uncharacterized protein C2orf66	Q6UXQ4	C2orf66
7023	Uncharacterized protein C2orf73	Q8N5S3	C2orf73

#	Human Target or Analyte	UniProt ID	GeneID
7024	Uncharacterized protein C3orf18	Q9UK00	C3orf18
7025	Uncharacterized protein C4orf32	Q8N8J7	FAM241A
7026	Uncharacterized protein C4orf36	Q96KX1	C4orf36
7027	Uncharacterized protein C5orf46	Q6UWT4	C5orf46
7028	Uncharacterized protein C7orf24	O75223	GGCT
7029	Uncharacterized protein C7orf69	Q9H7B7	C7orf69
7030	Uncharacterized protein C7orf73	E0CX11	None
7031	Uncharacterized protein CXorf38	Q8TB03	CXorf38
7032	Uncharacterized protein KIAA0040	Q15053	KIAA0040
7033	Uncharacterized protein KIAA1143	Q96AT1	KIAA1143
7034	Uncharacterized protein KIAA1644	Q3SXP7	SHISAL1
7035	Uncharacterized protein KIAA2013	Q8IYS2	KIAA2013
7036	Uncharacterized protein UNQ511/PRO1026	Q6UX82	LYPD8
7037	Unconventional myosin-VI	Q9UM54	MYO6
7038	Unique cartilage matrix-associated protein	Q8WVF2	UCMA
7039	UPF0160 protein MYG1, mitochondrial	Q9HB07	MYG1
7040	UPF0193 protein EVG1	Q9BZE7	C22orf23
7041	UPF0235 protein C15orf40	Q8WUR7	C15orf40
7042	UPF0258 protein KIAA1024	Q9UPX6	MINAR1
7043	UPF0369 protein C6orf57	Q5VUM1	SDHAF4
7044	UPF0472 protein C16orf72	Q14CZ0	C16orf72
7045	UPF0510 protein INM02	Q5UCC4	EMC10
7046	UPF0561 protein C2orf68	Q2NKX9	C2orf68
7047	UPF0568 protein C14orf166	Q9Y224	RTRAF
7048	UPF0577 protein KIAA1324:Cytoplasmic domain	Q6UXG2	ELAPOR1
7049	UPF0577 protein KIAA1324:Extracellular domain	Q6UXG2	ELAPOR1
7050	UPF0577 protein KIAA1324-like	A8MWY0	ELAPOR2
7051	UPF0606 protein KIAA1549L	Q6ZVL6	KIAA1549L
7052	UPF0692 protein C19orf54	Q5BKX5	C19orf54
7053	UPF0696 protein C11orf68	Q9H3H3	C11orf68
7054	UPF0705 protein C11orf49	Q9H6J7	C11orf49
7055	UPF0705 protein C11orf49	Q9H6J7	C11orf49



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#	Human Target or Analyte	UniProt ID	GeneID
7056	UPF0729 protein C18orf32	Q8TCD1	C18orf32
7057	Upstream stimulatory factor 1	P22415	USF1
7058	Uracil phosphoribosyltransferase homolog	Q96BW1	UPRT
7059	Uracil-DNA glycosylase	P13051	UNG
7060	Urea transporter 1	Q13336	SLC14A1
7061	Urea transporter 2	Q15849	SLC14A2
7062	Uridine diphosphate glucose pyrophosphatase	O95848	NUDT14
7063	Uridine phosphorylase 1	Q16831	UPP1
7064	Uridine phosphorylase 2	O95045	UPP2
7065	Uridine-cytidine kinase 1	Q9HA47	UCK1
7066	Uridine-cytidine kinase 2	Q9BZX2	UCK2
7067	Urocortin-3	Q969E3	UCN3
7068	Urokinase plasminogen activator surface receptor	Q03405	PLAUR
7069	Urokinase-type plasminogen activator	P00749	PLAU
7070	Uromodulin	P07911	UMOD
7071	Uromodulin-like 1	Q5DID0	UMODL1
7072	Uronly 2-sulfotransferase	Q9Y2C2	UST
7073	Uroplakin-3b-like protein	B0FP48	None
7074	Uroporphyrinogen decarboxylase	P06132	UROD
7075	Uroporphyrinogen-III synthase	P10746	UROS
7076	Urotensin-2	O95399	UTS2
7077	Urotensin-2 receptor	Q9UKP6	UTS2R
7078	Urotensin-2B	Q765I0	UTS2B
7079	USF2	Q15853	USF2
7080	USP12/WDR48 Complex	O75317 Q8TAF3	USP12 WDR48
7081	UTP--glucose-1-phosphate uridylyltransferase	Q16851	UGP2
7082	UV excision repair protein RAD23 homolog A	P54725	RAD23A
7083	UV excision repair protein RAD23 homolog B	P54727	RAD23B
7084	V(D)J recombination-activating protein 1	P15918	RAG1
7085	Vacuolar ATP synthase subunit C 1	P21283	ATP6V1C1
7086	Vacuolar protein sorting-associated protein 26A	O75436	VPS26A
7087	Vacuolar protein sorting-associated protein 26B	Q4G0F5	VPS26B

#	Human Target or Analyte	UniProt ID	GeneID
7088	Vacuolar protein sorting-associated protein 28 homolog	Q9UK41	VPS28
7089	Vacuolar protein sorting-associated protein 29	Q9UBQ0	VPS29
7090	Vacuolar protein sorting-associated protein 4A	Q9UN37	VPS4A
7091	Vacuolar protein sorting-associated protein 4B	O75351	VPS4B
7092	Vacuolar protein sorting-associated protein 53 homolog	Q5VIR6	VPS53
7093	Vacuolar protein sorting-associated protein VTA1 homolog	Q9NP79	VTA1
7094	Vacuolar protein-sorting-associated protein 25	Q9BRG1	VPS25
7095	Vacuolar-sorting protein SNF8	Q96H20	SNF8
7096	Valacyclovir hydrolase	Q86WA6	BPHL
7097	Valine--tRNA ligase	P26640	VARS1
7098	Vang-like protein 1	Q8TAA9	VANGL1
7099	Variable charge X-linked protein 1	Q9H320	VCX
7100	Variable charge X-linked protein 3	Q9NNX9	VCX3A
7101	Vascular adhesion protein-1	Q16853	AOC3
7102	Vascular cell adhesion protein 1	P19320	VCAM1
7103	Vascular cell adhesion protein 1	P19320	VCAM1
7104	Vascular endothelial growth factor A	P15692	VEGFA
7105	Vascular endothelial growth factor A, isoform 121	P15692	VEGFA
7106	Vascular endothelial growth factor A, isoform 121	P15692	VEGFA
7107	Vascular endothelial growth factor B	P49765	VEGFB
7108	Vascular endothelial growth factor C	P49767	VEGFC
7109	Vascular endothelial growth factor D	O43915	VEGFD
7110	Vascular endothelial growth factor D	O43915	VEGFD
7111	Vascular endothelial growth factor receptor 1	P17948	FLT1
7112	Vascular endothelial growth factor receptor 1	P17948	FLT1
7113	Vascular endothelial growth factor receptor 2	P35968	KDR
7114	Vascular endothelial growth factor receptor 3	P35916	FLT4
7115	Vascular endothelial growth factor receptor 3	P35916	FLT4
7116	Vascular non-inflammatory molecule 2	O95498	VNN2
7117	Vascular non-inflammatory molecule 2	O95498	VNN2
7118	Vasoactive Intestinal Peptide	P01282	VIP
7119	Vasodilator-stimulated phosphoprotein	P50552	VASP

#	Human Target or Analyte	UniProt ID	GeneID
7120	Vasorin	Q6EMK4	VASN
7121	Versican core protein	P13611	VCAN
7122	Very Late Antigen-4	P13612 P05556	ITGA4 ITGB1
7123	Very long-chain acyl-CoA synthetase	O14975	SLC27A2
7124	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	P49748	ACADVL
7125	Very low-density lipoprotein receptor	P98155	VLDLR
7126	Vesicle transport through interaction with t-SNAREs homolog 1A	Q96AJ9	VTI1A
7127	Vesicle transport through interaction with t-SNAREs homolog 1B	Q9UEU0	VTI1B
7128	Vesicle-associated membrane protein 1	P23763	VAMP1
7129	Vesicle-associated membrane protein 2	P63027	VAMP2
7130	Vesicle-associated membrane protein 2	P63027	VAMP2
7131	Vesicle-associated membrane protein 3	Q15836	VAMP3
7132	Vesicle-associated membrane protein 4	O75379	VAMP4
7133	Vesicle-associated membrane protein 7	P51809	VAMP7
7134	Vesicle-associated membrane protein 8	Q9BV40	VAMP8
7135	Vesicle-associated membrane protein-associated protein A	Q9P0L0	VAPA
7136	Vesicle-associated membrane protein-associated protein B/C	O95292	VAPB
7137	Vesicle-fusing ATPase	P46459	NSF
7138	Vesicle-trafficking protein SEC22a	Q96IW7	SEC22A
7139	Vesicular integral-membrane protein VIP36	Q12907	LMAN2
7140	Vesicular integral-membrane protein VIP36	Q12907	LMAN2
7141	Vesicular, overexpressed in cancer, prosurvival protein 1	Q96AW1	VOPP1
7142	Vigilin	Q00341	HDLBP
7143	Villin-1	P09327	VIL1
7144	Villin-like protein	O15195	VILL
7145	Vimentin	P08670	VIM
7146	Vimentin-type intermediate filament-associated coiled-coil protein	Q2NL98	VMAC
7147	Vinculin	P18206	VCL
7148	Vinexin b	O60504	SORBS3
7149	VIP36-like protein	Q9H0V9	LMAN2L
7150	Visinin-like protein 1	P62760	VSNL1
7151	Visinin-like protein 1	P62760	VSNL1



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7152	Visual system homeobox 1	Q9NZR4	VSX1
7153	Vitamin D3 receptor	P11473	VDR
7154	Vitamin D-binding protein	P02774	GC
7155	Vitamin K-dependent protein C	P04070	PROC
7156	Vitamin K-dependent protein S	P07225	PROS1
7157	Vitrin	Q6UXI7	VIT
7158	Vitrin	Q6UXI7	VIT
7159	Vitronectin	P04004	VTN
7160	Vitronectin	P04004	VTN
7161	Voltage-dependent calcium channel subunit alpha-2/delta-3	Q8IZS8	CACNA2D3
7162	Voltage-dependent L-type calcium channel subunit beta-3	P54284	CACNB3
7163	Voltage-dependent L-type calcium channel subunit beta-4	O00305	CACNB4
7164	Voltage-gated potassium channel subunit beta-2	Q13303	KCNAB2
7165	Voltage-gated potassium channel subunit beta-3	O43448	KCNAB3
7166	Von Hippel-Lindau disease tumor suppressor	P40337	VHL
7167	Von Hippel-Lindau-like protein	Q6RSH7	VHLL
7168	von Willebrand factor	P04275	VWF
7169	von Willebrand factor A domain-containing protein 1	Q6PCB0	VWA1
7170	von Willebrand factor A domain-containing protein 2	Q5GFL6	VWA2
7171	von Willebrand factor C domain-containing protein 2-like	B2RUY7	None
7172	VPS10 domain-containing receptor SorCS1	Q8WY21	SORCS1
7173	VPS10 domain-containing receptor SorCS2	Q96PQ0	SORCS2
7174	VPS10 domain-containing receptor SorCS3	Q9UPU3	SORCS3
7175	VPS10 domain-containing receptor SorCS3	Q9UPU3	SORCS3
7176	VPS9 domain-containing protein 1	Q9Y2B5	VPS9D1
7177	V-set and immunoglobulin domain-containing protein 1	Q86XK7	VSIG1
7178	V-set and immunoglobulin domain-containing protein 10	Q8N0Z9	VSIG10
7179	V-set and immunoglobulin domain-containing protein 10-like	Q86VR7	VSIG10L
7180	V-set and immunoglobulin domain-containing protein 2	Q96IQ7	VSIG2
7181	V-set and immunoglobulin domain-containing protein 4	Q9Y279	VSIG4
7182	V-set and immunoglobulin domain-containing protein 8	P0DPA2	VSIG8
7183	V-set and transmembrane domain-containing protein 1	Q6UX27	VSTM1

#	Human Target or Analyte	UniProt ID	GeneID
7184	V-set and transmembrane domain-containing protein 1	Q6UX27	VSTM1
7185	V-set and transmembrane domain-containing protein 2-like protein	Q96N03	VSTM2L
7186	V-set and transmembrane domain-containing protein 4	Q8IW00	VSTM4
7187	V-type immunoglobulin domain-containing suppressor of T-cell activation:Cytoplasmic domain	Q9H7M9	VSIR
7188	V-type immunoglobulin domain-containing suppressor of T-cell activation:Extracellular domain	Q9H7M9	VSIR
7189	V-type proton ATPase subunit C 2	Q8NEY4	ATP6V1C2
7190	V-type proton ATPase subunit F	Q16864	ATP6V1F
7191	WAP four-disulfide core domain protein 1	Q9HC57	WFDC1
7192	WAP four-disulfide core domain protein 10A	Q9H1F0	WFDC10A
7193	WAP four-disulfide core domain protein 13	Q8IUB5	WFDC13
7194	WAP four-disulfide core domain protein 2	Q14508	WFDC2
7195	WAP four-disulfide core domain protein 3	Q8IUB2	WFDC3
7196	WAP four-disulfide core domain protein 5	Q8TCV5	WFDC5
7197	WAP four-disulfide core domain protein 6	Q9BQY6	WFDC6
7198	WAP four-disulfide core domain protein 8	Q8IUA0	WFDC8
7199	WAP, kazal, immunoglobulin, kunitz and NTR domain-containing protein 1	Q96NZ8	WFIKKN1
7200	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 2	Q8TEU8	WFIKKN2
7201	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 2	Q8TEU8	WFIKKN2
7202	WD repeat-containing protein 18	Q9BV38	WDR18
7203	WD repeat-containing protein 26	Q9H7D7	WDR26
7204	WD repeat-containing protein 48	Q8TAF3	WDR48
7205	WD repeat-containing protein 5	P61964	WDR5
7206	Wee1-like protein kinase 2	P0C1S8	WEE2
7207	Wiskott-Aldrich syndrome protein	P42768	WAS
7208	Wiskott-Aldrich syndrome protein	P42768	WAS
7209	Wnt inhibitory factor 1	Q9Y5W5	WIF1
7210	Wnt inhibitory factor 1	Q9Y5W5	WIF1
7211	WNT1-inducible-signaling pathway protein 1	O95388	CCN4
7212	WNT1-inducible-signaling pathway protein 1	O95388	CCN4
7213	WNT1-inducible-signaling pathway protein 2	O76076	CCN5
7214	WNT1-inducible-signaling pathway protein 3	O95389	CCN6



#	Human Target or Analyte	UniProt ID	GeneID
7215	WSC domain-containing protein 2	Q2TBF2	WSCD2
7216	WW domain binding protein 1-like	Q9NX94	WBP1L
7217	WW domain-binding protein 2	Q969T9	WBP2
7218	WW domain-containing oxidoreductase	Q9NZC7	WWOX
7219	X antigen family member 2	Q96GT9	XAGE2
7220	Xaa-Pro aminopeptidase 1	Q9NQW7	XPNPEP1
7221	Xanthine dehydrogenase/oxidase	P47989	XDH
7222	X-box-binding protein 1	P17861	XBP1
7223	X-linked interleukin-1 receptor accessory protein-like 2	Q9NP60	IL1RAPL2
7224	X-ray repair cross-complementing protein 6	P12956	XRCC6
7225	Xyloside xylosyltransferase 1	Q8NBI6	XXYLT1
7226	Xylosyltransferase 2	Q9H1B5	XYLT2
7227	Xylulose kinase	O75191	XYLB
7228	Yae1 domain-containing protein 1	Q9NRH1	YAE1
7229	Y-box-binding protein 2	Q9Y2T7	YBX2
7230	YEATS domain-containing protein 4	O95619	YEATS4
7231	YjeF N-terminal domain-containing protein 3	A6XGL0	YJEFN3
7232	YTH domain-containing protein 1	Q96MU7	YTHDC1
7233	Z-DNA-binding protein 1	Q9H171	ZBP1
7234	Zinc finger and BTB domain-containing protein 10	Q96DT7	ZBTB10
7235	Zinc finger and BTB domain-containing protein 16	Q05516	ZBTB16
7236	Zinc finger and BTB domain-containing protein 7A	O95365	ZBTB7A
7237	Zinc finger C4H2 domain-containing protein	Q9NQZ6	ZC4H2
7238	Zinc finger CCCH domain-containing protein 8	Q8N5P1	ZC3H8
7239	Zinc finger CCHC domain-containing protein 18	P0CG32	ZCCHC18
7240	Zinc finger protein 10	P21506	ZNF10
7241	Zinc finger protein 134	P52741	ZNF134
7242	Zinc finger protein 174	Q15697	ZNF174
7243	Zinc finger protein 175	Q9Y473	ZNF175
7244	Zinc finger protein 18	P17022	ZNF18
7245	Zinc finger protein 180	Q9UJW8	ZNF180
7246	Zinc finger protein 23	P17027	ZNF23



#	Human Target or Analyte	UniProt ID	GeneID
7247	Zinc finger protein 230	Q9UIE0	ZNF230
7248	Zinc finger protein 263	O14978	ZNF263
7249	Zinc finger protein 264	O43296	ZNF264
7250	Zinc finger protein 275	Q9NSD4	ZNF275
7251	Zinc finger protein 276	Q8N554	ZNF276
7252	Zinc finger protein 329	Q86UD4	ZNF329
7253	Zinc finger protein 334	Q9HCZ1	ZNF334
7254	Zinc finger protein 34	Q8IZ26	ZNF34
7255	Zinc finger protein 382	Q96SR6	ZNF382
7256	Zinc finger protein 41	P51814	ZNF41
7257	Zinc finger protein 410	Q86VK4	ZNF410
7258	Zinc finger protein 415	Q09FC8	ZNF415
7259	Zinc finger protein 483	Q8TF39	ZNF483
7260	Zinc finger protein 526	Q8TF50	ZNF526
7261	Zinc finger protein 560	Q96MR9	ZNF560
7262	Zinc finger protein 566	Q969W8	ZNF566
7263	Zinc finger protein 580	Q9UK33	ZNF580
7264	Zinc finger protein 593	O00488	ZNF593
7265	Zinc finger protein 69	Q9UC07	ZNF69
7266	Zinc finger protein 696	Q9H7X3	ZNF696
7267	Zinc finger protein 75D	P51815	ZNF75D
7268	Zinc finger protein 774	Q6NX45	ZNF774
7269	Zinc finger protein 843	Q8N446	ZNF843
7270	Zinc finger protein RFP	P14373	TRIM27
7271	Zinc finger protein SNAI2	O43623	SNAI2
7272	Zinc finger protein with KRAB and SCAN domains 7	Q9P0L1	ZKSCAN7
7273	Zinc finger SWIM domain-containing protein 7	Q19AV6	ZSWIM7
7274	Zinc fingers and homeoboxes protein 1	Q9UKY1	ZHX1
7275	Zinc fingers and homeoboxes protein 2	Q9Y6X8	ZHX2
7276	Zinc fingers and homeoboxes protein 3	Q9H4I2	ZHX3
7277	Zinc phosphodiesterase ELAC protein 1	Q9H777	ELAC1
7278	Zinc transporter 3	Q99726	SLC30A3

#	Human Target or Analyte	UniProt ID	GeneID
7279	Zinc transporter 5	Q8TAD4	SLC30A5
7280	Zinc-alpha-2-glycoprotein	P25311	AZGP1
7281	Zona pellucida sperm-binding protein 4	Q12836	ZP4
7282	Zona pellucida-binding protein 1	Q9BS86	ZPBP
7283	Zona pellucida-binding protein 2	Q6X784	ZPBP2
7284	Zona pellucida-like domain-containing protein 1	Q8TCW7	ZPLD1
7285	ZW10 interactor	O95229	ZWINT
7286	Zymogen granule membrane protein 16	O60844	ZG16
7287	Zymogen granule protein 16 homolog B	Q96DA0	ZG16B
7288	Zyxin	Q15942	ZYX

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SomaScan v4.1 Protein List

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