

ECM QconCAT Library			Accession				
GENE	EPAQ	order	Protein	Human	Mouse	Rat	Specificity
PLEC	1	2	Plectin	Q15149	Q9QXS1	P30427	shared
TGM2	1	3	Transglutaminase 2	P21980	P21981	Q9WVJ6	shared
NID1	1	4	Nidogen-1	P14543	P10493	P08460	shared
NID2	1	5	Nidogen-2	Q14112	O88322	B5DFC9	shared
LAMA1	1	6	Laminin alpha-1	P25391	P19137	D4A409	shared
LAMA1	1	7	Laminin alpha-1	P25391	P19137	D4A409	shared
LAMA2	1	8	Laminin alpha-2	P24043	Q60675	F1M614	shared
LAMA5	1	9	Laminin alpha-5	O15230	Q61001	F1MAN8	shared
LAMB1	1	10	laminin beta-1	P07942	P02469	D3ZQN7	shared
LAMB1	1	11	laminin beta-1		P02469	D3ZQN7	mouse/rat
LAMB2	1	12	Laminin beta-2	P55268	Q61292	P15800	shared
LAMB2	1	13	Laminin beta-2		Q61292	P15800	mouse/rat
LAMC1	1	14	Laminin gamma-1	P11047	P02468	F1MAA7	shared
COL1A1	1	15	Collagen alpha-1(I) chain	P02452	P11087	P02454	shared
COL1A1	1	16	Collagen alpha-1(I) chain	P02452	P11087	P02454	shared
COL1A2	1	17	Collagen alpha-2(I) chain	P08123	Q01149	P02466	shared
COL4A1	1	18	Collagen alpha-1(IV) chain	P02462	P02463	F1MA59	shared
COL4A2	1	19	Collagen alpha-2(IV) chain	P08572	P08122	F1M6Q3	shared
COL18A1	1	20	Collagen XVIII	P39060	P39061	F1LRI2	shared
COL14A1	1	21	Collagen alpha-1(XIV) chain	Q05707	Q80X19	D4A301	shared
COL7A1	1	22	Collagen alpha-1(VII) chain		Q63870	D3ZE04	mouse/rat
FBN1	1	23	Fibrillin-1	P35555	Q61554	D3ZQM5	shared
LAMA5	1	24	Laminin Alpha 5			F1MAN8	rat
FBN1	1	25	Fibrillin-1		Q61554	D3ZQM5	mouse/rat
TNXB	1	26	Tenascin X	P22105	O35452		human/mouse
HSPG2	1	27	Perlecan	P98160	Q05793	Q62980	shared
TNXB	1	28	TnxB Protein			B4F793	rat
TNC	1	29	Tenascin C			B2LYI9	rat
AGRN	1	30	Agrin	O00468	A2ASQ1	P25304	shared
COL6A1	1	31	Collagen alpha-1(VI) chain	P12109	Q04857	D3ZUL3	shared
COL6A2	1	32	Collagen alpha-2(VI) chain	P12110	Q02788		human/mouse
COL6A2	1	33	Collagen alpha-2(VI) chain	P12110	Q02788	F1LNH3	shared
COL6A3	1	34	Collagen alpha-3(VI) chain	P12111	E9PWQ3	D4A115	shared
COL6A5	1	35	Collagen alpha-5(VI) chain			F1LZF4	rat
MYH*	1	36	Myosin (1/2/3/4/6/7/8)	P11055	P13541	P12847	shared
SPT*	1	37	Spectrin	Q13813	P16546	P16086	shared
ADH	1	38	Alcohol dehydrogenase	P00330			QC yeast
ACT*	2	2	Actin (all)	P62736	P62737	P62738	shared
TUB*	2	3	Tubulin beta (4A/4B/5/7)	P68371	P68372	Q6P9T8	shared
DES	2	4	Desmin	P17661	P31001	P48675	shared
LUM	2	5	Lumican		P51885	P51886	mouse/rat
MGP	2	6	Matrix Gla Protein	P08493		P08494	human/rat
POSTN	2	7	Periostin		Q62009	D4A8W7	mouse/rat
VIM	2	8	Vimentin	P08670	P20152	P31000	shared
ANXA4	2	9	Annexin A4		P97429	P55260	mouse/rat
MATN	2	10	Matrilin 1, Cartilage Matrix Protein		P51942	Q5XI24	mouse/rat
ECM1	2	11	Extracellular Matrix Protein 1			Q62894	Rat
VTN	2	12	Vitronectin (bovine)	P04004	P29788	Q7TQ11	IPI*
MGP	2	13	Matrix Gla protein			P08494	rat
DCN	2	14	Decorin			Q01129	rat

MATN	2	15	Matrilin 1, Cartilage Matrix Protein	P21941	P51942	Q5XI24	shared
OGN	2	16	Mimecan/Osteoglycin	P20774	Q62000	D3ZVB7	shared
ANXA2	2	17	Annexin A2	P07355	P07356	Q07936	shared
COL18A1	2	18	Collagen XVIII	P39060	P39061	F1LRI2	shared
SPP1	2	19	Osteopontin		P10923	P08721	mouse/rat
FBLN5	2	20	Fibulin-5			Q9WVH8	rat
PRELP	2	21	Prolargin		Q9JK53	Q9EQP5	mouse/rat
VIM	2	22	Vimentin		P20152	P31000	mouse/rat
PRG2	2	23	Bone Marrow Proteoglycan		Q61878	Q63189	mouse/rat
EFEMP2	2	24	Fibulin-4		Q9WVJ9	D3ZE24	mouse/rat
ECM1	2	25	Extracellular Matrix Protein 1			Q62894	Rat
DPT	2	26	Dermatopontin	Q07507	Q9QZZ6	B2RZ77	shared
DPT	2	27	Dermatopontin	Q07507	Q9QZZ6	B2RZ77	shared
POSTN	2	28	Periostin	Q15063	Q62009	D4A8W7	shared
PRELP	2	29	Prolargin		Q9JK53	Q9EQP5	mouse/rat
EMILIN1	2	30	Emilin-1	Q9Y6C2	Q99K41	D3Z9E1	shared
TGM2	2	31	Transglutaminase 2			Q9WVJ6	rat
SUSD2	2	32	Sushi-domain containing Protein 2			D3ZEV8	rat
BGN	2	33	Biglycan	P21810	P28653	P47853	shared
FBLN1	2	34	fibulin 1	P23142		D3ZQ25	human/rat
H2A*	2	35	Histone 2A	P0C0S8	P22752	P02262	shared
LGALS3	2	36	Galectin-3			P08699	rat
ACTB/G*	2	37	Actin (cytoplasmic 1/2)	P60709	P60710	P60711	shared
ADH	2	38	Alcohol dehydrogenase	P00330			QC yeast
ADH	3	2	Alcohol dehydrogenase	P00330			QC yeast
COL1A1	3	3	Collagen alpha-1(I) chain	P02452	P11087	P02454	shared
COL1A1	3	4	Collagen alpha-1(I) chain	P02452	P11087	P02454	shared
COL1A1	3	5	Collagen alpha-1(I) chain	P02452	P11087	P02454	shared
COL1A1	3	6	Collagen alpha-1(I) chain	P02452	P11087	P02454	shared
COL1A2	3	7	Collagen alpha-2(I) chain	P08123	Q01149	P02466	shared
COL1A2	3	8	Collagen alpha-2(I) chain	P08123	Q01149	P02466	shared
COL1A2	3	9	Collagen alpha-2(I) chain	P08123	Q01149	P02466	shared
COL1A2	3	10	Collagen alpha-2(I) chain	P08123		P02466	human/rat
COL3A1	3	11	collagen, type III, alpha 1	P02461	P08121	P13941	shared
COL3A1	3	12	collagen, type III, alpha 1	P02461	P08121	P13941	shared
COL3A1	3	13	collagen, type III, alpha 1	P02461	P08121	P13941	shared
COL5A1	3	14	collagen, type V, alpha 1	P20908	O88207	Q9JI03	shared
COL5A1	3	15	collagen, type V, alpha 1	P20908	O88207	Q9JI03	shared
COL5A1	3	16	collagen, type V, alpha 1	P20908	O88207	Q9JI03	shared
COL5A2	3	17	collagen, type V, alpha 2	P05997	Q3U962	F1LQ00	shared
COL5A2	3	18	collagen, type V, alpha 2		Q3U962	F1LQ00	mouse/rat
COL6A1	3	19	collagen, type VI, alpha 1		Q04857	D3ZUL3	mouse/rat
COL6A2	3	20	collagen, type VI, alpha 2	P12110	Q02788	F1LNH3	shared
COL6A3	3	21	collagen, type VI, alpha 3	P12111	E9PWQ3	D4A115	shared
COL14A1	3	22	collagen, type XIV, alpha 1	Q05707	Q80X19	D4A301	shared
DCN	3	23	decorin	P07585		Q01129	human/rat
DCN	3	24	decorin	P07585	P28654		human/mouse
FBN1	3	25	fibrillin 1	P35555	Q61554	D3ZQM5	shared
FN1	3	26	fibronectin 1	P02751	P11276	P04937	shared
FN1	3	27	fibronectin 1	P02751	P11276	P04937	shared
HSPG2	3	28	heparan sulfate proteoglycan 2	P98160	Q05793	Q62980	shared
LAMA2	3	29	laminin, alpha 2	P24043	Q60675	F1M614	shared
LAMC1	3	30	laminin, gamma 1 (formerly LAMB2)	P11047	P02468	F1MAA7	shared
NID1	3	31	nidogen 1	P14543	P10493	P08460	shared

VTN	3	32	vitronectin	P04004	P29788	Q7TQ11	shared
THBS1	3	33	thrombospondin 1	P07996	P35441	Q71SA3	shared
COL14A1	3	34	collagen, type XIV, alpha 1	Q05707	Q80X19	D4A301	shared
BGAL	3	35	Beta-galactosidase	P00722			QC
VTN	3	36	vitronectin	P04004	P29788	Q7TQ11	shared
GAPDH	3	37	Glyceraldehyde-3-phosphate dehydrogenase	P04406	P16858	P04797	
ALB	3	38	Albumin	P02768	P07724	P02770	human/mouse/ra
H1*	3	39	Histone H1	P10412	P43274	P15865	shared
ADH	4	2	Alcohol dehydrogenase	P00330			QC yeast
AGRN	4	3	agrin	O00468	A2ASQ1	P25304	shared
BGN	4	4	biglycan	P21810	P28653	P47853	shared
COL14A1	4	5	collagen, type XIV, alpha 1	Q05707	Q80X19	D4A301	shared
COL5A1	4	6	collagen, type V, alpha 1	P20908	O88207	Q9JI03	shared
COL5A2	4	7	collagen, type V, alpha 2	P05997	Q3U962	F1LQ00	shared
COL6A1	4	8	collagen, type VI, alpha 1	P12109	Q04857	D3ZUL3	shared
DCN	4	9	decorin	P07585	P28654	Q01129	shared
ECM1	4	10	extracellular matrix protein 1	Q16610	Q61508	Q62894	shared
FBLN5	4	11	fibulin 5	Q9UBX5	Q9WVH9	Q9WVH8	shared
FN1	4	12	fibronectin 1	P02751	P11276	P04937	shared
FN1	4	13	fibronectin 1	P02751	P11276	P04937	shared
FN1	4	14	fibronectin 1	P02751	P11276	P04937	shared
FN1	4	15	fibronectin 1	P02751	P11276	P04937	shared
HSPG2	4	16	heparan sulfate proteoglycan 2	P98160	Q05793	Q62980	shared
LAMA1	4	17	laminin, alpha 1	P25391	P19137	D4A409	shared
LAMA2	4	18	laminin, alpha 2	P24043	Q60675	F1M614	shared
LAMA3	4	19	laminin, alpha 3		Q61789	P70570	mouse/rat
LAMA4	4	20	laminin, alpha 4	Q16363	P97927	F1LTF8	shared
LAMA4	4	21	laminin, alpha 4	Q16363	P97927	F1LTF8	shared
NID1/2*	4	22	nidogen 1/2 (osteonidogen)	P14543	P10493	F1LM84	shared
LAMA5	4	23	laminin, alpha 5	O15230	Q61001	F1MAN8	shared
LAMB1	4	24	laminin, beta 1	P07942	P02469	D3ZQN7	shared
LAMB2	4	25	laminin, beta 2 (laminin S)	P55268	Q61292	P15800	shared
LAMC1	4	26	laminin, gamma 1 (formerly LAMB2)	P11047	P02468	F1MAA7	shared
LAMC2	4	27	laminin, gamma 2	Q13753	Q61092	F1LRH4	shared
LUM	4	28	lumican	P51884	P51885	P51886	shared
POSTN	4	29	Periostin	Q15063	Q62009	D4A8W7	shared
LTBP1	4	30	latent transforming growth factor beta binding	Q14766	Q8CG19	Q00918	shared
THBS1	4	31	thrombospondin 1	P07996	P35441	Q71SA3	shared
THBS2	4	32	thrombospondin 2	P35442	Q03350	D4A2G6	shared
TGFB1	4	33	Transforming growth factor-beta-induced prot	Q15582	P82198	D4A8G5	shared
LAMC1	4	34	laminin, gamma 1 (formerly LAMB2)	P11047	P02468	F1MAA7	shared
LMNA	4	35	Lamin-A/C	P02545	P48678	P48679	shared
ADH	5	2	Alcohol dehydrogenase	P00330			QC yeast
AGRN	5	3	agrin	O00468	A2ASQ1	P25304	shared
ASPN	5	4	asporin	Q9BXN1	Q99MQ4	Q5XIH1	shared
BGN	5	5	biglycan	P21810	P28653	P47853	shared
CHAD	5	6	chondroadherin	O15335	O55226	O70210	shared
COL12A1	5	7	collagen, type XII, alpha 1	Q99715	Q60847	P70560	shared
COL4A2	5	8	collagen, type IV, alpha 2	P08572	P08122	F1M6Q3	shared
COL4A5	5	9	collagen, type IV, alpha 5	P29400	Q63ZW6	F1M2Q8	shared
COL7A1	5	10	collagen, type VII, alpha 1	Q02388	Q63870	D3ZE04	shared
DPT	5	11	Dermatopontin	Q07507	Q9QZZ6	B2RZ77	shared
ECM1	5	12	extracellular matrix protein 1	Q16610	Q61508	Q62894	shared
EFEMP1	5	13	fibulin-3	Q12805	Q8BPB5	O35568	shared

EFEMP2	5	14	fibulin-4	O95967	Q9WVJ9	D3ZE24	shared
EMILIN1	5	15	elastin microfibril interfacier 1	Q9Y6C2	Q99K41	D3Z9E1	shared
FBLN1	5	16	fibulin 1	P23142	Q08879	D3ZQ25	shared
FBLN2	5	17	fibulin 2	P98095	P37889	F1LS57	shared
FBN1	5	18	fibrillin 1	P35555	Q61554	D3ZQM5	shared
LTBP1	5	19	latent transforming growth factor beta binding	Q14766	Q8CG19	Q00918	shared
MFAP1	5	20	microfibrillar-associated protein 1	P55081	Q9CQU1	D4ACM9	shared
MFAP2	5	21	microfibrillar-associated protein 2	P55001	P55002	D3Z952	shared
MGP	5	22	matrix Gla protein	P08493	P19788		human/mouse
OGN	5	23	Mimcan/Osteoglycin	P20774	Q62000	D3ZVB7	shared
POSTN	5	24	Periostin	Q15063	Q62009	D4A8W7	shared
SPARC	5	25	secreted protein, acidic, cysteine-rich (osteone	P09486	P07214	P16975	shared
TGFBI	5	26	Transforming growth factor-beta-induced prot	Q15582	P82198	D4A8G5	shared
TNC	5	27	tenascin C	P24821	Q80YX1	B2LYI9	shared
TNXB	5	28	tenascin XB	P22105	O35452	B4F793	shared
TNC	5	29	tenascin C	P24821	Q80YX1		human/mouse
PRELP	5	30	proline/arginine-rich end leucine-rich repeat p	P51888	Q9JK53	Q9EQP5	shared
LGALS3	5	31	Galectin-3	P17931			human
COL4A1/5*	5	32	Collagen alpha-1/5(IV) chain	#N/A	#N/A	#N/A	shared
TGFB1	5	33	Transforming growth factor beta-1	P01137	P04202	P17246	shared
FN1	5	34	fibronectin 1	P02751	P11276	P04937	shared
ENO1/2*	5	35	Alpha/gamma-enolase	P09104	P17183	P04764	shared
ADH	6	2	Alcohol dehydrogenase	P00330			QC yeast
ASPN	6	3	asporin	Q9BXN1		Q5XIH1	human/rat
BCAN	6	4	Biglycan	Q96GW7	Q61361	P55068	shared
CHAD	6	5	chondroadherin	O15335	O55226	O70210	shared
ACAN	6	6	aggrecan	P16112	Q61282		human/mouse
COL17A1	6	7	collagen, type XVII, alpha 1	Q9UMD9	Q07563	D3ZZ30	shared
COL4A1/5*	6	8	Collagen alpha-1/5(IV) chain	#N/A	#N/A	#N/A	shared
EFEMP1	6	9	fibulin-3	Q12805	Q8BPB5	O35568	shared
EFEMP2	6	10	fibulin-4	O95967	Q9WVJ9	D3ZE24	shared
FBN2	6	11	fibrillin 2	P35556	Q61555		human/mouse
FMOD	6	12	fibromodulin	Q06828	P50608	P50609	shared
LAMB3	6	13	laminin, beta 3	Q13751	Q61087	F1LPI5	shared
LAMC2	6	14	laminin, gamma 2	Q13753	Q61092	F1LRH4	shared
LGALS1	6	15	Galectin-1	P09382	P16045	P11762	shared
LOX	6	16	lysyl oxidase	P28300	P28301	P16636	shared
LOXL1	6	17	lysyl oxidase-like 1	Q08397	P97873	Q5FWS5	shared
LOXL2	6	18	lysyl oxidase-like 2	Q9Y4K0	P58022	B5DF27	shared
LOXL4	6	19	lysyl oxidase-like 4	Q96JB6	Q924C6	D4A9V5	shared
LTBP2	6	20	latent transforming growth factor beta binding	Q14767	O08999	O35806	shared
OMD	6	21	osteomodulin	Q99983	O35103	Q9Z1S7	shared
PRELP	6	22	proline/arginine-rich end leucine-rich repeat p	P51888	Q9JK53	Q9EQP5	shared
SPARC	6	23	secreted protein, acidic, cysteine-rich (osteone	P09486	P07214	P16975	shared
THBS2	6	24	thrombospondin 2	P35442	Q03350	D4A2G6	shared
TNC	6	25	tenascin C	P24821	Q80YX1	B2LYI9	shared
TNN	6	26	tenascin N	Q9UQP3	Q80Z71	D3ZK12	shared
TNXB	6	27	tenascin XB	P22105	O35452	B4F793	shared
VCAN	6	28	versican	P13611	Q62059	Q9ERB4	shared
COL12A1	6	29	collagen, type XII, alpha 1	Q99715	Q60847	P70560	shared
ADIPOQ	6	30	adiponectin	Q15848	Q60994	Q8K3R4	shared
FBLN2	6	31	fibulin 2	P98095	P37889	F1LS57	shared
CHAD	6	32	chondroadherin	O15335	O55226	O70210	shared
ACAN	6	33	aggrecan	P16112	Q61282	P07897	shared

LOX	6	34	lysyl oxidase	P28300	P28301		human/mouse
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