Search Condition

Protein: Alpha1-antitrypsin

Entry Protein	Source Mutation	dG_H2O	dG	T	Tm	dHcal m	Cm	pH Measure	Mesthod	REFERENCI NAT STRUCT
Alpha1- antitryp	Human F 51 L	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 CD	Urea	BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	- Human T 59 A sin	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	Human T 68 A	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	Human A 70 G	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	Human M 374 I	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	Human S 381 A	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	- Human K 387 R sin	NULL	NULL	25.00	NULL	, NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	Human F 51 L, sin M 374 I	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	T 59 A, T Human 68 A, A 51 70 G	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
Alpha1- antitryp	- Human S 381 A, sin K 387 R	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 CD	Urea	NAT STRUCT BIOL 3, 497-5 (1996) PMID: 8646533
11578 Alpha1- antitryp	sin Human A 31 V	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 Fluorescence	: GdnHCl	PROTEIN SC 1446-1453 (20 PMID: 114204
Alpha1- antitryp	Human A 31 I	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 Fluorescence	e GdnHCl	PROTEIN SC 1446-1453 (20 PMID: 114204
11580 Alpha1- antitryp	Human A 31 L	NULL	NULL	25.00	NULL	. NULL NULL	NULL	6.50 Fluorescence	e GdnHCl	PROTEIN SC 1446-1453 (20 PMID: 114204
Alpha1- antitryp	Human A 31 P	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 Fluorescence	GdnHCl	PROTEIN SC 1446-1453 (20 PMID: 114204
Alpha1- antitryp	Human V 55 I	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 Fluorescence	GdnHCl	PROTEIN SC 1446-1453 (20 PMID: 114204
11583 Alpha1- antitryp	sin Human V 55 L	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 Fluorescence	GdnHCl	PROTEIN SC 1446-1453 (20 PMID: 114204
11584 Alpha1	- Human V 145 I	NULL	NULL	25.00	NULL	NULL NULL	NULL	6.50 Fluorescence	GdnHCl	

3/12/20	117			ProTherm search result	
	antitrypsin				1446-1453 (20 PMID: 114204
115	Alpha1- antitrypsin Human V 145 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI
115	Alpha1- antitrypsin Human V 173 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
1158	Alpha1- antitrypsin Human V 173 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
115	Alpha1- antitrypsin Human A 183 V	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
115	Alpha1- antitrypsin Human A 183 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
1159	Alpha1- antitrypsin Human A 183 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
1159	Alpha1- 91 antitrypsin Human A 183 F	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
1159	Alpha1- antitrypsin Human A 248 V	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
<u>1159</u>	Alpha1- antitrypsin Human A 248 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
<u>1159</u>	Alpha1- antitrypsin Human A 248 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>1159</u>	Alpha1- antitrypsin Human A 248 F	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>1159</u>	Alpha1- antitrypsin Human A 250 V	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
1159	Alpha1- antitrypsin Human A 250 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
<u>1159</u>	Alpha1- antitrypsin Human A 250 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>1159</u>	Alpha1- antitrypsin Human A 284 V	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>116</u> 0	OO Alpha1- antitrypsin Human A 284 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>116</u> 0	Alpha1- antitrypsin Human A 248 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>1160</u>	Alpha1- antitrypsin Human V 321 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>116</u>	Alpha1- antitrypsin Human V 321 L	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PMID: 114204
<u>116</u> 0	Alpha1- antitrypsin Human V 364 I	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	PROTEIN SCI 1446-1453 (20 PMID: 114204
<u>1160</u>	05 Alpha1- Human V 364 L antitrypsin	NULL	NULL 25.00	NULL NULL NULL 6.50 Fluorescence GdnHCl	

									PMID: 114204 J MOL BIOL 3
12708 Alpha1- antitrypsin Human WILD	NULL	NULL NULL	59.60	NULL	NULL	NULL	7.80 CD	Thermal	1161-1169 (20) PMID: 117000
Alpha1- antitrypsin Human W 194 F	NULL	NULL NULL	59.10	NULL :	NULL	NULL	7.80 CD	Thermal	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12710 Alpha1- antitrypsin Human W 238 F	NULL	NULL NULL	, 57.90	NULL:	NULL	NULL	7.80 CD	Thermal	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12711 Alpha1- antitrypsin Human WILD	4.70	NULL 25.00	NULL	NULL	1.58	2.97	7.80 CD	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12712 Alpha1- antitrypsin Human W 194 F	3.90	NULL 25.00	NULL	NULL	1.32	2.95	7.80 CD	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12713 Alpha1- antitrypsin Human W 238 F	4.60	NULL 25.00	NULL	NULL	1.36	2.94	7.80 CD	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12714 Alpha1- antitrypsin Human WILD	6.10	NULL 25.00	NULL	NULL	1.00	6.01	7.80 CD	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12715 Alpha1- antitrypsin Human W 194 F	6.10	NULL 25.00	NULL	NULL	1.01	6.01	7.80 CD	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12716 Alpha1- antitrypsin Human W 238 F	6.95	NULL 25.00	NULL	NULL	1.20	5.80	7.80 CD	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12717 Alpha1- antitrypsin Human W 238 F	3.44	NULL 25.00	NULL	NULL (0.65	5.30	7.80 Fluorescence	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12718 Alpha1- antitrypsin Human WILD	5.20	NULL 25.00	NULL	NULL	1.89	2.70	7.80 Fluorescence	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12719 Alpha1- antitrypsin Human W 194 F	4.00	NULL 25.00	NULL	NULL	1.50	2.60	7.80 Fluorescence	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12720 Alpha1- antitrypsin Human WILD	3.70	NULL 25.00	NULL	NULL (0.64	5.80	7.80 Fluorescence	Urea	J MOL BIOL 3 1161-1169 (20 PMID: 117000
Alpha1- antitrypsin Human W 194 F	4.30	NULL 25.00	NULL	NULL (0.69	5.60	7.80 Fluorescence	Urea	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12722 Alpha1- antitrypsin Human WILD	1.60	NULL 25.00	NULL	NULL	1.10	1.40	7.80 Fluorescence	GdnSCN	J MOL BIOL : 1161-1169 (20) PMID: 117000
12723 Alpha1- antitrypsin Human W 194 F	1.60	NULL 25.00	NULL	NULL	1.90	0.80	7.80 Fluorescence	GdnSCN	J MOL BIOL 3 1161-1169 (20) PMID: 117000
12724 Alpha1- antitrypsin Human W 238 F	2.80	NULL 25.00	NULL	NULL	1.50	1.80	7.80 Fluorescence	GdnSCN	J MOL BIOL (1161-1169 (20) PMID: 117000
14925 Alpha1- antitrypsin Human WILD	NULL	NULL NULL	59.00	NULL :	NULL	NULL	7.80 CD	Thermal	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14926 Alpha1- antitrypsin Human Y 160 A	NULL	NULL NULL	54.00	NULL :	NULL	NULL	7.80 CD	Thermal	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14927 Alpha1- antitrypsin Human Y 160 W	NULL	NULL NULL	65.00	NULL :	NULL	NULL	7.80 CD	Thermal	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819

ProTherm search result

3/12/2017			ProTherm search result			
14928 Alpha1- Human WILD antitrypsin	4.80	NULL 25.00	NULL NULL 5.40	0.90	7.80 Fluorescence GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID:
						11926819
Alpha1- Human Y 160 W antitrypsin	4.75	NULL 25.00	NULL NULL 6.00	0.80	7.80 Fluorescence GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14930 Alpha1- antitrypsin Human Y 160 A	4.30	NULL 25.00	NULL NULL 7.90	0.50	7.80 Fluorescence GdnHCl	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14931 Alpha1- antitrypsin Human Y 160 W	3.30	NULL 25.00	NULL NULL 3.80	0.90	7.80 Fluorescence GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14932 Alpha1- antitrypsin Human WILD	2.90	NULL 25.00	NULL NULL 3.90	0.74	7.80 CD GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14933 Alpha1- antitrypsin Human Y 160 W	4.20	NULL 25.00	NULL NULL 4.20	1.00	7.80 CD GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14934 Alpha1- Human Y 160 A antitrypsin	2.80	NULL 25.00	NULL NULL 6.40	0.43	7.80 CD GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14935 Alpha1- antitrypsin Human WILD	3.20	NULL 25.00	NULL NULL 1.10	2.90	7.80 Fluorescence GdnHCl	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14936 Alpha1- antitrypsin Human Y 160 W	2.50	NULL 25.00	NULL NULL 1.10	2.30	7.80 Fluorescence GdnHCl	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14937 Alpha1- antitrypsin Human Y 160 A	2.40	NULL 25.00	NULL NULL 0.83	2.90	7.80 Fluorescence GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14938 Alpha1- antitrypsin Human Y 160 W	3.01	NULL 25.00	NULL NULL 1.39	2.17	7.80 Fluorescence GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14939 Alpha1- antitrypsin Human WILD	2.10	NULL 25.00	NULL NULL 0.76	2.80	7.80 CD GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14940 Alpha1- antitrypsin Human Y 160 W	2.00	NULL 25.00	NULL NULL 0.70	2.90	7.80 CD GdnHCl	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14941 Alpha1- antitrypsin Human Y 160 A	2.00	NULL 25.00	NULL NULL 0.71	2.80	7.80 CD GdnHCl	BIOCHEMIST 41, 4575-4581 (2002) PMID: 11926819
14942 Alpha1- antitrypsin Human WILD	2.20	NULL 25.00	NULL NULL 0.80	2.80	7.80 Fluorescence GdnHCl	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
14943 Alpha1- antitrypsin Human Y 160 A	2.60	NULL 25.00	NULL NULL 0.90	2.90	7.80 Fluorescence GdnHCl	BIOCHEMIST 41,4575-4581 (2002) PMID: 11926819
15788 Alpha1- Human WILD	NULL	NULL 25.00	NULL NULL NULL	2.36	7.80 Fluorescence Urea	J MOL BIOL 3
http://www.abren.net/protherm/protherm_resul	t.php					4/5

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	antitrypsin							581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 F	NULL	NULL 25.00	NULL	NULL NULL 3.04	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 I	NULL	NULL 25.00	NULL	NULL NULL 2.76	7.80 Fluorescence	Urea	J MOL BIOL : 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 V	NULL	NULL 25.00	NULL	NULL NULL 2.70	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 T	NULL	NULL 25.00	NULL	NULL NULL 2.13	7.80 Fluorescence	Urea	J MOL BIOL (581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human S 330 R	NULL	NULL 25.00	NULL	NULL NULL 1.30	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	794 Alpha1- antitrypsin Human WILD	NULL	NULL 25.00	NULL	NULL NULL 5.47	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 F	NULL	NULL 25.00	NULL	NULL NULL 6.08	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 I	NULL	NULL 25.00	NULL	NULL NULL 5.46	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 V	NULL	NULL 25.00	NULL	NULL NULL 5.80	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human K 331 T	NULL	NULL 25.00	NULL	NULL NULL 5.32	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>157</u>	Alpha1- antitrypsin Human S 330 R	NULL	NULL 25.00	NULL	NULL NULL 4.90	7.80 Fluorescence	Urea	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>158</u>	Alpha1- antitrypsin Human WILD	NULL	NULL NULL	. 58.00	NULL NULL NUL	L 7.80 CD	Thermal	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>158</u>	Alpha1- antitrypsin Human K 331 F	NULL	NULL NULL	. 64.00	NULL NULL NUL	L 7.80 CD	Thermal	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>158</u>	Alpha1- 802 antitrypsin Human K 331 I	NULL	NULL NULL	61.00	NULL NULL NUL	L 7.80 CD	Thermal	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>158</u>	Alpha1- antitrypsin Human K 331 V	NULL	NULL NULL	. 62.00	NULL NULL NUL	L 7.80 CD	Thermal	J MOL BIOL 3 581-589 (2003 PMID: 124988
<u>158</u>	Alpha1- antitrypsin Human K 331 T	NULL	NULL NULL	57.00	NULL NULL NUL	L 7.80 CD	Thermal	J MOL BIOL (581-589 (2003 PMID: 124988
<u>158</u>	Alpha1- antitrypsin Human S 330 R	NULL	NULL NULL	. 52.00	NULL NULL NUL	L 7.80 CD	Thermal	J MOL BIOL 3 581-589 (2003 PMID: 124988

Display 1-92 Go to search menu