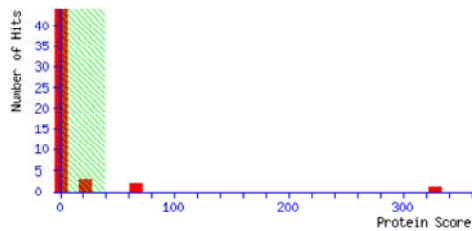



**Mascot Search Results**

User : JPROS  
 Email : pro@jbios.co.jp  
 Search title : D:\JPROS\L046\1\_4micro-2.wiff (sample number 1)  
 MS data file : mas125.tmp  
 Database : NCBIprot 20180429 (152462470 sequences; 55858910152 residues)  
 Taxonomy : Homo sapiens (human) (327411 sequences)  
 Timestamp : 23 Apr 2019 at 09:57:26 GMT  
 Protein hits : [NP\\_005338.1](#) endoplasmic reticulum chaperone BiP precursor [Homo sapiens]  
               [BAG36698.1](#) unnamed protein product [Homo sapiens]  
               [NP\\_002146.2](#) heat shock 70 kDa protein 6 [Homo sapiens]  
               [Q5VTE0.1](#) PUTATIVE PSEUDOGENE: RecName: Full=Putative elongation factor 1-alpha-like 3; Short=EF-1-alpha-like 3; A  
               [EAW63420.1](#) hCG1993117, partial [Homo sapiens]  
               [BAB40929.2](#) alpha 1,6-fucosyltransferase [Homo sapiens]

### Mascot Score Histogram

Ions score is  $-10 \cdot \log(P)$ , where P is the probability that the observed match is a random event.  
 Individual ions scores > 39 indicate identity or extensive homology ( $p < 0.05$ ).  
 Protein scores are derived from ions scores as a non-probabilistic basis for ranking protein hits.



### Peptide Summary Report

Format As	Peptide Summary	<a href="#">Help</a>
Significance threshold p<	0.05	Max. number of hits
Standard scoring	<input type="radio"/> MudPIT scoring <input checked="" type="radio"/>	Display non-significant matches <input checked="" type="checkbox"/>
Show pop-ups	<input checked="" type="radio"/> Suppress pop-ups <input type="radio"/>	Sort unassigned
Preferred taxonomy	All entries	Require bold red <input type="checkbox"/>

Error tolerant

1. [NP\\_005338.1](#) Mass: 72288 Score: 328 Matches: 18(9) Sequences: 17(9) emPAI: 0.57  
 endoplasmic reticulum chaperone BiP precursor [Homo sapiens]
- Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> <a href="#">217</a>	459.7824	917.5502	917.4706	0.0797	0	21	5.5	1	U	K.VLEDSDLK.K
<input checked="" type="checkbox"/> <a href="#">242</a>	493.8028	985.5910	985.5080	0.0830	0	19	8.6	1	U	R.LTPEEIER.M
<input checked="" type="checkbox"/> <a href="#">289</a>	404.2499	1209.7279	1209.5778	0.1500	1	0	5.5e+02	1	U	K.EFFNGKEPSR.G
<input checked="" type="checkbox"/> <a href="#">295</a>	609.3797	1216.7448	1216.6234	0.1214	0	17	13	1	U	K.DAGTIAGLNVMR.I
<input checked="" type="checkbox"/> <a href="#">296</a>	614.8856	1227.7567	1227.6207	0.1359	0	59	0.00074	1	U	R.VEIIANDQGNR.I
<input checked="" type="checkbox"/> <a href="#">299</a>	617.3705	1232.7265	1232.6183	0.1082	0	(5)	2.6e+02	1	U	K.DAGTIAGLNVMR.I + Oxidation (M)
<input checked="" type="checkbox"/> <a href="#">340</a>	658.8930	1315.7715	1315.6295	0.1420	0	62	0.00043	1	U	R.NELESYAYSLK.N
<input checked="" type="checkbox"/> <a href="#">356</a>	715.9343	1429.8541	1429.6838	0.1703	0	20	5	1	U	R.TWNDPSVQQDIK.F
<input checked="" type="checkbox"/> <a href="#">365</a>	768.9838	1535.9530	1535.7905	0.1625	0	58	0.0005	1	U	K.FFAPEEISAMVLT.K.M
<input checked="" type="checkbox"/> <a href="#">367</a>	783.9749	1565.9352	1565.7726	0.1626	0	43	0.022	1	U	R.ITPSYVFTPEGER.L
<input checked="" type="checkbox"/> <a href="#">371</a>	530.3349	1587.9830	1587.8468	0.1362	1	24	1.1	1	U	K.KSDIDEIVLVGGSTR.I
<input checked="" type="checkbox"/> <a href="#">384</a>	535.6853	1604.0341	1603.8570	0.1771	0	20	1.5	1	U	K.TKPYIQVDIGGGQTK.T
<input checked="" type="checkbox"/> <a href="#">394</a>	839.4860	1676.9575	1676.8006	0.1569	0	25	1.8	1	U	K.NQLTSNPENTVFDK.R
<input checked="" type="checkbox"/> <a href="#">405</a>	606.0636	1815.1690	1814.9890	0.1800	1	78	1.2e-06	1	U	R.IINEPTAAAIAYGLDKR.E
<input checked="" type="checkbox"/> <a href="#">407</a>	612.0353	1833.0841	1832.9017	0.1825	1	47	0.0064	1	U	K.NQLTSNPENTVFDK.R.L
<input checked="" type="checkbox"/> <a href="#">408</a>	919.0547	1836.0949	1835.9265	0.1684	0	39	0.044	1	U	K.SQIFSTASDNQPTVTK.V
<input checked="" type="checkbox"/> <a href="#">415</a>	630.0501	1887.1284	1886.9639	0.1645	0	63	0.00014	1	U	K.VTHAVVTVPAYFNDAQR.Q
<input checked="" type="checkbox"/> <a href="#">418</a>	645.4053	1933.1940	1933.0058	0.1882	0	42	0.0097	1	U	K.DNHLLGTFDLTGIPPAPR.G

#### Proteins matching the same set of peptides:

[AAF13605.1](#) Mass: 70888 Score: 328 Matches: 18(9) Sequences: 17(9)  
 BiP protein, partial [Homo sapiens]

[NP\\_071705.3](#) Mass: 72377 Score: 328 Matches: 18(9) Sequences: 17(9)  
 endoplasmic reticulum chaperone BiP precursor [Mus musculus]

2. [BAG36698.1](#) Mass: 65980 Score: 74 Matches: 5(1) Sequences: 5(1) emPAI: 0.06  
 unnamed protein product [Homo sapiens]
- Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> <a href="#">273</a>	533.2885	1064.5625	1064.5138	0.0487	0	15	21	3	U	K.AQYEDIAQK.S
<input checked="" type="checkbox"/> <a href="#">284</a>	590.3560	1178.6974	1178.5931	0.1043	0	39	0.07	1	U	K.YEELQITAGR.H
<input checked="" type="checkbox"/> <a href="#">336</a>	651.9289	1301.8432	1301.7078	0.1354	0	47	0.0066	1	U	R.SLDLDSIIAEVK.A
<input checked="" type="checkbox"/> <a href="#">351</a>	465.2790	1392.8151	1392.7249	0.0902	1	31	0.51	1	U	R.TNAENFVTKK.D

[360](#) 738.4686 1474.9227 1474.7780 0.1447 0 35 0.13 1 U R.FLEQQNQLQTK.W

**Proteins matching the same set of peptides:**

[NP\\_006112.3](#) Mass: 65999 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin, type II cytoskeletal 1 [Homo sapiens]  
[AAG41947.1](#) Mass: 66027 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin 1 [Homo sapiens]  
[AFA52002.1](#) Mass: 66013 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin 1 [Homo sapiens]  
[AFA52003.1](#) Mass: 66029 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin 1 [Homo sapiens]  
[AFA52004.1](#) Mass: 65930 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin 1 [Homo sapiens]  
[AFA52005.1](#) Mass: 66086 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin 1 [Homo sapiens]  
[AFA52007.1](#) Mass: 66071 Score: 74 Matches: 5(1) Sequences: 5(1)  
keratin 1 [Homo sapiens]

3. [NP\\_002146.2](#) Mass: 70984 Score: 59 Matches: 1(1) Sequences: 1(1) emPAI: 0.05  
heat shock 70 kDa protein 6 [Homo sapiens]

Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<a href="#">296</a>	614.8856	1227.7567	1227.6207	0.1359	0	59	0.00074	1	U	R.VEILANDQGNR.T

**Proteins matching the same set of peptides:**

[BAG35622.1](#) Mass: 70914 Score: 59 Matches: 1(1) Sequences: 1(1)  
unnamed protein product [Homo sapiens]  
[CAA36061.1](#) Mass: 70810 Score: 59 Matches: 1(1) Sequences: 1(1)  
unnamed protein product [Homo sapiens]  
[P48741.2](#) Mass: 40220 Score: 59 Matches: 1(1) Sequences: 1(1)  
PUTATIVE PSEUDOGENE: RecName: Full=Putative heat shock 70 kDa protein 7; AltName: Full=Heat shock 70 kDa protein B  
[EAW50343.1](#) Mass: 13346 Score: 59 Matches: 1(1) Sequences: 1(1)  
hCG2043448, partial [Homo sapiens]  
[AA52696.1](#) Mass: 26890 Score: 59 Matches: 1(1) Sequences: 1(1)  
70 kDa heat shock protein, partial [Homo sapiens]  
[BAG52788.1](#) Mass: 70928 Score: 59 Matches: 1(1) Sequences: 1(1)  
unnamed protein product [Homo sapiens]  
[BAD97082.1](#) Mass: 70960 Score: 59 Matches: 1(1) Sequences: 1(1)  
heat shock 70kDa protein 6 (HSP70B') variant, partial [Homo sapiens]

4. [Q5VTE0.1](#) Mass: 50153 Score: 21 Matches: 8(0) Sequences: 2(0)  
PUTATIVE PSEUDOGENE: RecName: Full=Putative elongation factor 1-alpha-like 3; Short=EF-1-alpha-like 3; AltName: Full=Eukaryotic

Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<a href="#">240</a>	488.3083	974.6021	974.5437	0.0584	0	4	3.3e+02	8	U	R.LPLQDVYK.I
<input checked="" type="checkbox"/> <a href="#">251</a>	513.3278	1024.6410	1024.6030	0.0380	0	(16)	15	1	U	K.IGGIGTVPVGR.V
<input checked="" type="checkbox"/> <a href="#">252</a>	513.3416	1024.6687	1024.6030	0.0658	0	(15)	15	1	U	K.IGGIGTVPVGR.V
<input checked="" type="checkbox"/> <a href="#">253</a>	513.3424	1024.6702	1024.6030	0.0673	0	(10)	55	1	U	K.IGGIGTVPVGR.V
<a href="#">254</a>	513.3446	1024.6746	1024.6030	0.0716	0	(7)	1e+02	2	U	K.IGGIGTVPVGR.V
<input checked="" type="checkbox"/> <a href="#">256</a>	513.3507	1024.6869	1024.6030	0.0840	0	(19)	5.3	1	U	K.IGGIGTVPVGR.V
<input checked="" type="checkbox"/> <a href="#">257</a>	513.3520	1024.6895	1024.6030	0.0865	0	(21)	3.2	1	U	K.IGGIGTVPVGR.V
<input checked="" type="checkbox"/> <a href="#">258</a>	513.3525	1024.6905	1024.6030	0.0875	0	22	2.5	1	U	K.IGGIGTVPVGR.V

**Proteins matching the same set of peptides:**

[NP\\_001949.1](#) Mass: 50438 Score: 21 Matches: 8(0) Sequences: 2(0)  
elongation factor 1-alpha 2 [Homo sapiens]  
[AAN09722.1](#) Mass: 38644 Score: 21 Matches: 8(0) Sequences: 2(0)  
CTCL tumor antigen HD-CL-08 [Homo sapiens]  
[AAH14377.1](#) Mass: 30681 Score: 21 Matches: 8(0) Sequences: 2(0)  
Unknown (protein for IMAGE:4041545), partial [Homo sapiens]  
[AAH14892.1](#) Mass: 26300 Score: 21 Matches: 8(0) Sequences: 2(0)  
Unknown (protein for IMAGE:3909122), partial [Homo sapiens]  
[AAH22412.1](#) Mass: 26471 Score: 21 Matches: 8(0) Sequences: 2(0)  
Unknown (protein for IMAGE:4134193), partial [Homo sapiens]  
[CAA34756.1](#) Mass: 50095 Score: 21 Matches: 8(0) Sequences: 2(0)  
unnamed protein product [Homo sapiens]  
[AAF36537.1](#) Mass: 46240 Score: 21 Matches: 8(0) Sequences: 2(0)  
glucocorticoid receptor AF-1 specific elongation factor, partial [Homo sapiens]  
[AAA52367.1](#) Mass: 35205 Score: 21 Matches: 8(0) Sequences: 2(0)  
elongation factor 1-alpha, partial [Homo sapiens]  
[BAG60202.1](#) Mass: 42569 Score: 21 Matches: 8(0) Sequences: 2(0)  
unnamed protein product [Homo sapiens]  
[AAH63511.1](#) Mass: 31040 Score: 21 Matches: 8(0) Sequences: 2(0)  
EEF1A1 protein, partial [Homo sapiens]  
[BAG65087.1](#) Mass: 33168 Score: 21 Matches: 8(0) Sequences: 2(0)  
unnamed protein product [Homo sapiens]  
[AAH65761.1](#) Mass: 26600 Score: 21 Matches: 8(0) Sequences: 2(0)  
EEF1A1 protein, partial [Homo sapiens]  
[AAH71619.1](#) Mass: 47839 Score: 21 Matches: 8(0) Sequences: 2(0)  
EEF1A1 protein [Homo sapiens]  
[AAH71727.1](#) Mass: 50153 Score: 21 Matches: 8(0) Sequences: 2(0)  
Eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens]

[AAH71841.1](#) Mass: 50091 Score: 21 Matches: 8(0) Sequences: 2(0)  
 Eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens]  
[BAF85328.1](#) Mass: 50169 Score: 21 Matches: 8(0) Sequences: 2(0)  
 unnamed protein product [Homo sapiens]  
[AAA91835.1](#) Mass: 47426 Score: 21 Matches: 8(0) Sequences: 2(0)  
 elongation factor-1 alpha, partial [Homo sapiens]  
[BAD92301.1](#) Mass: 36888 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 2 variant, partial [Homo sapiens]  
[AAK93966.1](#) Mass: 42997 Score: 21 Matches: 8(0) Sequences: 2(0)  
 translation elongation factor 1 alpha 1-like 14 [Homo sapiens]  
[AAH94687.1](#) Mass: 33221 Score: 21 Matches: 8(0) Sequences: 2(0)  
 EF1A1 protein [Homo sapiens]  
[BAD96235.1](#) Mass: 50093 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[BAD96239.1](#) Mass: 39231 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[BAD96243.1](#) Mass: 50167 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[BAD96271.1](#) Mass: 50110 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[BAD96702.1](#) Mass: 50079 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[BAD96750.1](#) Mass: 50079 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[BAD96766.1](#) Mass: 50081 Score: 21 Matches: 8(0) Sequences: 2(0)  
 eukaryotic translation elongation factor 1 alpha 1 variant, partial [Homo sapiens]  
[WP\\_094948604.1](#) Mass: 50109 Score: 21 Matches: 8(0) Sequences: 2(0)  
 MULTISPECIES: translation elongation factor EF-1 subunit alpha [Enterobacteriaceae]

5. [EAW63420.1](#) Mass: 26635 Score: 21 Matches: 1(0) Sequences: 1(0)  
 hCG1993117, partial [Homo sapiens]

Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> <a href="#">93</a>	409.2814	816.5483	816.3800	0.1684	0	21	5.2	1	U	K.IHMGSEK.I + Oxidation (M)

6. [BAB40929.2](#) Mass: 35772 Score: 20 Matches: 1(0) Sequences: 1(0)  
 alpha 1,6-fucosyltransferase [Homo sapiens]

Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> <a href="#">355</a>	710.4525	1418.8905	1418.7518	0.1388	0	20	3.5	1	U	R.IPEGPIDQGAIGR.V

Proteins matching the same set of peptides:

[AAI42959.1](#) Mass: 35798 Score: 20 Matches: 1(0) Sequences: 1(0)  
 FUT8 protein [Homo sapiens]  
[EAW80914.1](#) Mass: 51782 Score: 20 Matches: 1(0) Sequences: 1(0)  
 fucosyltransferase 8 (alpha (1,6) fucosyltransferase), isoform CRA\_d [Homo sapiens]  
[BAF85102.1](#) Mass: 66474 Score: 20 Matches: 1(0) Sequences: 1(0)  
 unnamed protein product [Homo sapiens]  
[BAA92858.1](#) Mass: 32161 Score: 20 Matches: 1(0) Sequences: 1(0)  
 alpha1,6 fucosyltransferase, partial [Homo sapiens]  
[NP\\_835368.1](#) Mass: 66474 Score: 20 Matches: 1(0) Sequences: 1(0)  
 alpha-(1,6)-fucosyltransferase isoform a [Homo sapiens]  
[XP\\_016876625.1](#) Mass: 70347 Score: 20 Matches: 1(0) Sequences: 1(0)  
 alpha-(1,6)-fucosyltransferase isoform X1 [Homo sapiens]  
[XP\\_016876629.1](#) Mass: 62866 Score: 20 Matches: 1(0) Sequences: 1(0)  
 alpha-(1,6)-fucosyltransferase isoform X2 [Homo sapiens]

Peptide matches not assigned to protein hits: (no details means no match)

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
<input checked="" type="checkbox"/> <a href="#">134</a>	421.7978	841.5811	841.5022	0.0789	0	22	2.8	1		GITLSVRP
<input checked="" type="checkbox"/> <a href="#">404</a>	897.9997	1793.9848	1793.9321	0.0527	0	19	5.8	1		CLGHLFLSLGMVYLR + Carbamidomethyl (C); Oxidation
<input checked="" type="checkbox"/> <a href="#">133</a>	421.7880	841.5614	841.5022	0.0593	0	19	6.3	1		GITLSVRP
<input checked="" type="checkbox"/> <a href="#">331</a>	644.8827	1287.7508	1287.6241	0.1267	0	18	9.3	1		SPVSQLDCLNR + Carbamidomethyl (C)
<input checked="" type="checkbox"/> <a href="#">273</a>	533.2885	1064.5625	1064.5358	0.0267	1	17	13	1		GMMKELQTK
<input checked="" type="checkbox"/> <a href="#">265</a>	523.3209	1044.6272	1044.6583	-0.0311	0	16	17	1		LLTFFLPIK
<input checked="" type="checkbox"/> <a href="#">266</a>	523.3241	1044.6336	1044.6583	-0.0247	0	15	22	1		LLTFFLPIK
<input checked="" type="checkbox"/> <a href="#">196</a>	445.1590	888.3034	888.4553	-0.1519	0	15	24	1		DGGVIDSVK
<input checked="" type="checkbox"/> <a href="#">137</a>	423.2648	844.5150	844.4515	0.0636	1	15	31	1		TAAEAARR
<input checked="" type="checkbox"/> <a href="#">153</a>	428.2784	854.5423	854.4610	0.0813	0	15	16	1		QSLPASPR
<input checked="" type="checkbox"/> <a href="#">267</a>	523.3352	1044.6558	1044.6179	0.0380	0	14	25	1		ILAINSSSLK
<input checked="" type="checkbox"/> <a href="#">172</a>	435.8162	869.6178	869.5447	0.0732	1	13	21	1		VVVERLR
<input checked="" type="checkbox"/> <a href="#">100</a>	412.7839	823.5533	823.4487	0.1046	1	12	23	1		VPRCPFR
<input checked="" type="checkbox"/> <a href="#">156</a>	428.8000	855.5854	855.5290	0.0564	1	12	29	1		LALDLRL
<input checked="" type="checkbox"/> <a href="#">173</a>	436.2556	870.4966	870.5650	-0.0684	1	12	41	1		KASLALIR
<input checked="" type="checkbox"/> <a href="#">349</a>	695.4141	1388.8137	1388.6718	0.1419	0	12	38	1		CQALEENLSLR
<input checked="" type="checkbox"/> <a href="#">409</a>	616.6405	1846.8997	1847.0517	-0.1519	1	12	31	1		LVFLGEQSVGKTSILTR
<input checked="" type="checkbox"/> <a href="#">238</a>	488.2869	974.5592	974.5372	0.0221	0	12	51	1		LPFQCLVR
<input checked="" type="checkbox"/> <a href="#">185</a>	439.2706	876.5266	876.4124	0.1142	0	12	50	1		CGGELSVR + Carbamidomethyl (C)
<input checked="" type="checkbox"/> <a href="#">200</a>	446.2708	890.5270	890.4862	0.0408	0	12	54	1		TASPPPPPK
<input checked="" type="checkbox"/> <a href="#">218</a>	460.3124	918.6102	918.4957	0.1146	1	11	49	1		VGLARMEK + Oxidation (M)
<input checked="" type="checkbox"/> <a href="#">195</a>	445.1548	888.2950	888.3825	-0.0875	0	11	51	1		DDQSPAEK
<input checked="" type="checkbox"/> <a href="#">171</a>	435.8090	869.6034	869.4971	0.1063	0	11	33	1		VVDVSVPR



<input checked="" type="checkbox"/>	71	402.2448	802.4751	802.4297	0.0454	1	3	3e+02	1	KTGNQQK
<input checked="" type="checkbox"/>	63	400.2000	798.3854	798.4170	-0.0316	1	3	2e+02	1	KACVHGGK
<input checked="" type="checkbox"/>	209	450.3048	898.5951	898.4807	0.1144	1	2	3e+02	1	MKALHQR + Oxidation (M)
<input checked="" type="checkbox"/>	177	437.2666	872.5187	872.5079	0.0107	1	2	4.9e+02	1	ELRQLSK
<input checked="" type="checkbox"/>	141	425.3269	848.6392	848.4643	0.1749	0	2	1.5e+02	1	EBIAFLK
<input checked="" type="checkbox"/>	261	517.3307	1032.6469	1032.5240	0.1229	1	2	4.2e+02	1	KGDPGPTFSK
<input checked="" type="checkbox"/>	399	883.9878	1765.9610	1765.9098	0.0512	1	2	4.1e+02	1	FTNLLTSILDSAETKN
<input checked="" type="checkbox"/>	221	469.3000	936.5854	936.4521	0.1333	1	2	4.2e+02	1	TTMPGMKR + Oxidation (M)
<input checked="" type="checkbox"/>	208	450.3014	898.5882	898.4041	0.1841	0	2	3.3e+02	1	MGFQCLK + Carbamidomethyl (C); Oxidation (M)
<input checked="" type="checkbox"/>	272	531.3000	1060.5854	1060.5526	0.0328	0	2	4.3e+02	1	HAAGATHALGR
<input checked="" type="checkbox"/>	83	406.2722	810.5299	810.4058	0.1241	0	2	2e+02	1	MGIYVGR + Oxidation (M)
<input checked="" type="checkbox"/>	123	419.3400	836.6654	836.4868	0.1785	0	2	45	1	APQPVVAR
<input checked="" type="checkbox"/>	317	425.2647	1272.7722	1272.5777	0.1945	0	2	4.2e+02	1	CVPNMVCLHK + 2 Carbamidomethyl (C); Oxidation (M)
<input checked="" type="checkbox"/>	275	538.3672	1074.7199	1074.5934	0.1265	1	2	3.6e+02	1	FGNQKAAAIR
<input checked="" type="checkbox"/>	150	427.2813	852.5481	852.3544	0.1937	0	2	3.1e+02	1	LPDMCMK + Oxidation (M)
<input checked="" type="checkbox"/>	429	737.7882	2210.3428	2210.2171	0.1257	1	2	77	1	LAALRQGPGLVGADKPISYR
<input checked="" type="checkbox"/>	90	409.2394	816.4642	816.3734	0.0908	0	2	4.5e+02	1	LMASCHR
<input checked="" type="checkbox"/>	98	411.2753	820.5360	820.3497	0.1863	0	1	3.4e+02	1	AAGQDMR + Oxidation (M)
<input checked="" type="checkbox"/>	220	466.7414	931.4682	931.5240	-0.0557	0	1	5.2e+02	1	GFQTVKPR
<input checked="" type="checkbox"/>	211	453.2525	904.4905	904.4324	0.0581	0	1	5.4e+02	1	IIMEDER
<input checked="" type="checkbox"/>	236	485.3542	968.6938	968.5403	0.1535	1	1	2e+02	1	ELLRADPR
<input checked="" type="checkbox"/>	279	568.3504	1134.6863	1134.5604	0.1259	1	1	5.7e+02	1	GPRCTSSLHK
<input checked="" type="checkbox"/>	343	445.2000	1332.5782	1332.7476	-0.1694	0	1	4.6e+02	1	LAVQVVVLFVK + Carbamidomethyl (C)
<input checked="" type="checkbox"/>	215	458.6528	915.2911	915.4232	-0.1321	0	1	3.4e+02	1	CKPGDPSR + Carbamidomethyl (C)
<input checked="" type="checkbox"/>	198	445.2000	888.3854	888.4553	-0.0698	0	1	6.4e+02	1	DGGVIDSVK
<input checked="" type="checkbox"/>	178	437.2693	872.5240	872.5266	-0.0026	1	1	6.4e+02	1	KLGCLLAR
<input checked="" type="checkbox"/>	389	410.2823	1637.1002	1637.0127	0.0874	1	1	37	1	LLVILATEQPLTAKK
<input checked="" type="checkbox"/>	165	432.6000	863.1854	863.3708	-0.1854	0	1	75	1	GYHGMQR + Oxidation (M)
<input checked="" type="checkbox"/>	104	413.2732	824.5319	824.4141	0.1179	0	1	2.9e+02	1	DIVDHR
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<input checked="" type="checkbox"/>	<a href="#">370</a>	528.4616	1582.3630
<input checked="" type="checkbox"/>	<a href="#">372</a>	530.3721	1588.0944
<input checked="" type="checkbox"/>	<a href="#">373</a>	530.3864	1588.1372
<input checked="" type="checkbox"/>	<a href="#">374</a>	530.6654	1588.9745
<input checked="" type="checkbox"/>	<a href="#">375</a>	530.6681	1588.9825
<input checked="" type="checkbox"/>	<a href="#">376</a>	532.6000	1594.7782
<input checked="" type="checkbox"/>	<a href="#">377</a>	400.0806	1596.2931
<input checked="" type="checkbox"/>	<a href="#">378</a>	400.0832	1596.3035
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<input checked="" type="checkbox"/>	<a href="#">383</a>	401.3642	1601.4279
<input checked="" type="checkbox"/>	<a href="#">386</a>	404.3555	1613.3928
<input checked="" type="checkbox"/>	<a href="#">391</a>	552.0590	1653.1551
<input checked="" type="checkbox"/>	<a href="#">392</a>	420.0415	1676.1369
<input checked="" type="checkbox"/>	<a href="#">393</a>	420.2000	1676.7709
<input checked="" type="checkbox"/>	<a href="#">396</a>	571.6422	1711.9047
<input checked="" type="checkbox"/>	<a href="#">398</a>	572.7000	1715.0782
<input checked="" type="checkbox"/>	<a href="#">402</a>	447.1561	1784.5955
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<input checked="" type="checkbox"/>	<a href="#">411</a>	463.1714	1848.6565
<input checked="" type="checkbox"/>	<a href="#">412</a>	628.2386	1881.6940
<input checked="" type="checkbox"/>	<a href="#">413</a>	628.2401	1881.6984
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<input checked="" type="checkbox"/>	<a href="#">416</a>	639.5237	1915.5492
<input checked="" type="checkbox"/>	<a href="#">417</a>	481.3158	1921.2341
<input checked="" type="checkbox"/>	<a href="#">419</a>	499.3295	1993.2890
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<input checked="" type="checkbox"/>	<a href="#">423</a>	519.3218	2073.2583
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<input checked="" type="checkbox"/>	<a href="#">425</a>	704.4000	2110.1782
<input checked="" type="checkbox"/>	<a href="#">426</a>	530.3785	2117.4849
<input checked="" type="checkbox"/>	<a href="#">427</a>	530.3835	2117.5051
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<input checked="" type="checkbox"/>	<a href="#">430</a>	554.2344	2212.9086
<input checked="" type="checkbox"/>	<a href="#">432</a>	761.8097	2282.4072
<input checked="" type="checkbox"/>	<a href="#">433</a>	767.1595	2298.4567
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<input checked="" type="checkbox"/>	<a href="#">435</a>	581.3733	2321.4640

### Search Parameters

Type of search : MS/MS Ion Search  
Enzyme : Trypsin  
Variable modifications : [Carbamidomethyl \(C\)](#), [Oxidation \(M\)](#)  
Mass values : Monoisotopic  
Protein Mass : Unrestricted  
Peptide Mass Tolerance :  $\pm 0.2$  Da  
Fragment Mass Tolerance :  $\pm 0.2$  Da  
Max Missed Cleavages : 1  
Instrument type : Default  
Number of queries : 436

Mascot: <http://www.matrixscience.com/>