

Results

Sample Name	Protein	gene	MW	Score	Peptide	Coverage	Accession	Note*
TAP_Arc-PRV _150kDa	1 Major capsid protein [Suid herpesvirus 1 (Pseudorabies virus)]	MCP	145,938	632	17	17	Q00705	MCP_SUHVS

Note : Accession in Mascot Search Results*

TAP_Arc-PRV_150kDa- 1 Major capsid protein [Suid herpesvirus 1 (Pseudorabies virus)]

Mass: 145938 Score: 632 Matches: 17(4) Sequences: 17(4) emPAI: 0.10

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide	
152	484.81	967.61	967.58	0.0249	0	27	1.90E+00	1	U	R.LAPATVAAVR.G	
190	531.33	1060.64	1060.62	0.0188	0	40	1.30E-01	1	U	R.LVFLEALEK.R	
194	539.25	1076.49	1076.49	0.0018	0	34	4.50E-01	1	U	K.AVSNMDDVAR.Y	
195	540.81	1079.60	1079.57	0.0323	0	33	4.80E-01	1	U	K.FFTPAAEVAK.S	
203	580.84	1159.66	1159.63	0.0307	0	59	1.50E-03	1	U	R.VACAAALVSELK.R	+Carbamidomethyl(C)
227	634.85	1267.69	1267.64	0.0406	0	84	4.20E-06	1	U	R.FATENVLFAEK.A	
233	639.34	1276.67	1276.64	0.0257	0	29	1.50E+00	1	U	R.NVQAVLDSFER.G	
258	458.93	1373.76	1373.76	-0.003	0	17	2.10E+01	1	U	R.NVGGGLVHNRVPR.N	
275	507.27	1518.80	1518.76	0.0421	0	16	2.60E+01	2	U	R.HAGSFAPTPGLDPR.T	
279	531.96	1592.87	1592.83	0.0387	0	41	6.70E-02	1	U	R.TESGGGLHLQLTQPR.A	
284	836.95	1671.89	1671.86	0.032	0	59	1.10E-03	1	U	R.LSDLVNCTAPSVAVAR.M	+Carbamidomethyl(C)
290	582.30	1743.88	1743.89	-0.019	0	20	9.50E+00	1	U	R.TPLGAEHFQAQYLIR.D	
291	873.01	1744.01	1743.96	0.0585	0	49	9.00E-03	1	U	K.APPLSLLAPFTLYEGR.L	
294	897.45	1792.89	1792.83	0.0552	0	32	5.70E-01	1	U	R.ADENTLSYALMAGYFK.M	
296	606.97	1817.89	1817.85	0.0388	0	24	3.10E+00	1	U	R.DGPHPADQPVHNYMIK.R	
301	633.67	1898.00	1897.95	0.0464	0	38	1.30E-01	1	U	R.YLLGEPAPDDGKPVGSAR.V	
318	611.31	2441.22	2441.21	0.0174	0	37	1.10E-01	1	U	R.AAAQHVPCVPHFLGANYATVR.Q	+Carbamidomethyl(C)

Protein View: MCP_SUHVS

Major capsid protein OS=Suid herpesvirus 1 (strain Indiana S) OX=31522 GN=MCP PE=3 SV=1

Database: SwissProt
 Score: 632
 Monoisotopic mass (M_r): 145844
 Calculated pI: 6.03
 Taxonomy: Suid herpesvirus 1 (strain Indiana S)

Sequence similarity is available as [an NCBI BLAST search of MCP_SUHVS against nr](#).

Search parameters

MS data file: mas87B.tmp
 Enzyme: Trypsin: cuts C-term side of KR unless next residue is P.
 Variable modifications: Carbamidomethyl (C), Oxidation (M)

Protein sequence coverage: 17%

Matched peptides shown in **bold red**.

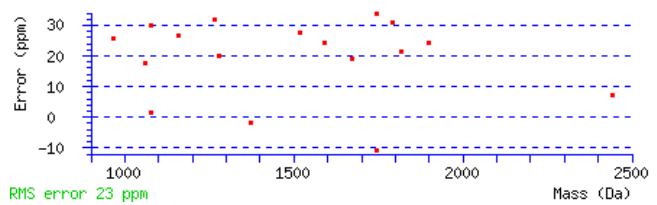
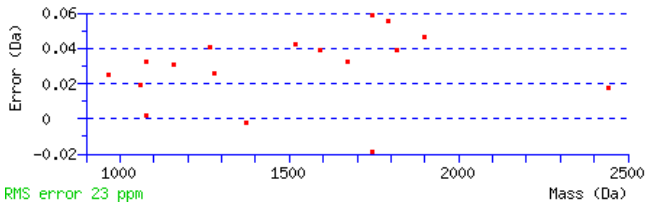
1 MERPAILPSG QILSNIEVHS HRALFDIFKR FRSDNNLYG AEFDALLGTY
 51 CSTLSLVRFL ELGLSVACVC TKFPELSYVA EGTIQFEVQQ PMIAR**DGPH**
 101 **ADQPVHNYMI** KRLDRSLNA AFSIAVEALG LISGENLDGT HISSAMRLRA
 151 IQQLARNVQA **VLDSFER**GTA DQMLRVLMEK **APPLSLLAPF** **TYEGR**LADR
 201 **VACAALVSEL** KRRVRDDTFF LTKHERNKDA VLDR**LSDLVN** **CTAPSAVAR**
 251 MTHADTQGRP VDGVLVTTAG VRQRLHHVVL TLADTHADVP VTYGEMVIAN
 301 TNLVLTALVMG **KAVSNMDDVA** **RYLLGGEPAP** **DDGKPVGSAR** VRADLVVVG
 351 **LVFLEALEK** RVYQATQVPY PLVGNLDVTF VMPLGVFKPA ADYAR**HAGS**
 401 **FAPTPGLPDP** RTHPPRAVHF FNKDGVPCHV TFEHAMGTLC HPSFLDVSAT
 451 LAALRQEPAE VQCAFAYVA DARPDALVGL MQRFLIEWPG MMPVRPRWAA
 501 PAAADQLLAP GNADLRLELH PAFDFVVAPE VDVPGPFVAVP QVMGQVRAMP
 551 RIINGNIPLA LCPVDFRDAR GFELSVDRHR **LAPATVAAVR** GAFRDANYPM
 601 VFYIEAVIH GSERTFCALA RLVAQCIQSY WRNTHNAAFV NNFYVMYIN
 651 TYLNGELPE DCAAVYKDLL EHVHALRRLI GEFTLPGDPL GNQPQELNH
 701 ALADATLLPP LIWDCDPIY RDGLAERLPE LRVNGAHFQH ILWVEMAQVN
 751 **FRNVGGGLVH** **NRPVR**NENQP LHPHHDAEWS VLSKIYYAV VPAFSRGNCC
 801 TMGVRYDRVY QLVQTMVVEPE TDEEVGTDDP RHPLHPRNLV PNSLNVLFHN
 851 ACVAVDADAM LILQETVNM AERTTPLLAS VAPDAGMATV ATRDMRTHDG
 901 SLHHGLLMA YQPNATLLE GAFFYPAPVN ALFACADHLG AMRDVGAEVR
 951 **AAAQHVPCVP** **HFLGANYYAT** **VRQPVAQHAA** **QSRADENTLS** **YALMAGYFKM**
 1001 SPVAFTHQLR RQLHPGFALT VVRQDR**FATE** **NVLF**AEKASE SYFMGMQVA
 1051 **TESGGGLHL** **QLTQPR**ANVD LGVGFATAAYA AAALRAPVTD MGNLPQNLFA
 1101 TRGAPMLDA DADDYLRRTV NAGNRLAPVP VFGQMLPQVP AGLARGQQSV
 1151 CEFIATPVSV DLAYFRRACN PRGRAAGEVH GEEGLMFDHS HADPAHPHRA
 1201 TANPWASQRH SYADRLYNGQ YNMSGPAYSP CFK**FTPAEA** **VAKSR**LARL
 1251 IADTGAASP TSNGEYQFKR PVGAGELVED PCALFQEAYP PLCASDSALL
 1301 **RPLGAEHF** **AQYLIR**DESP LKGCFOHASA

Unformatted sequence string: **1330 residues** (for pasting into other applications).

Sort by residue number increasing mass decreasing mass
 Show matched peptides only predicted peptides also

Query	Start - End	Observed	Mr (expt)	Mr (calc)	Delta M	Score	Expect	Rank	U	Peptide
296	96 - 111	606.9708	1817.8907	1817.8519	0.0388	0 24	3.1	1	U	R.DGPHPADQPVHNYMIK.R
233	157 - 167	639.3407	1276.6668	1276.6412	0.0257	0 29	1.5	1	U	R.NVQAVLDSFER.G
291	181 - 196	873.0145	1744.0144	1743.9559	0.0585	0 49	0.009	1	U	K.APPLSLLAPFTLYEGR.L
203	201 - 211	580.8362	1159.6578	1159.6271	0.0307	0 59	0.0015	1	U	R.VACAALVSELK.R + Carbamidomethyl (C)
284	235 - 250	836.9540	1671.8934	1671.8614	0.0320	0 59	0.0011	1	U	R.LSDLVNCTAPSAVAR.M + Carbamidomethyl (C)
194	312 - 321	539.2542	1076.4938	1076.4920	0.0018	0 34	0.45	1	U	K.AVSNMDDVAR.Y
301	322 - 340	633.6739	1897.9998	1897.9534	0.0464	0 38	0.13	1	U	R.YLLGGEPAPDDGKPVGSAR.V
190	352 - 360	531.3251	1060.6356	1060.6168	0.0188	0 40	0.13	1	U	R.LVFLEALEK.R
275	397 - 411	507.2739	1518.8000	1518.7579	0.0421	0 16	26	2	U	R.HAGSFAPTPGLPDP.R
152	581 - 590	484.8105	967.6064	967.5815	0.0249	0 27	1.9	1	U	R.LAPATVAAVR.G
258	753 - 765	458.9278	1373.7615	1373.7640	-0.0025	0 17	21	1	U	R.NVGGGLVHNRPVR.N
318	951 - 972	611.3132	2441.2237	2441.2063	0.0174	0 37	0.11	1	U	R.AAAQHVPCVPHFLGANYYATVR.Q + Carbamidomethyl (C)
294	984 - 999	897.4520	1792.8894	1792.8342	0.0552	0 32	0.57	1	U	R.ADENTLSYALMAGYFK.M
227	1027 - 1037	634.8500	1267.6855	1267.6448	0.0406	0 84	4.2e-06	1	U	R.FATENVLFAEK.A
279	1052 - 1066	531.9625	1592.8658	1592.8271	0.0387	0 41	0.067	1	U	R.TESGGGLHLQLTQPR.A
195	1234 - 1243	540.8060	1079.5974	1079.5651	0.0323	0 33	0.48	1	U	K.FTPAEAVAK.S

Query	Start - End	Observed	Mr (expt)	Mr (calc)	Delta M	Score	Expect	Rank	U	Peptide
290	1302 - 1316	582.2991	1743.8754	1743.8944	-0.0190	0	20	9.5	1	R.TPLGAEHFQAQYLIR.D



ID MCP_SUHVS Reviewed; 1330 AA.
AC Q00705;
DT 01-APR-1993, integrated into UniProtKB/Swiss-Prot.
DT 01-APR-1993, sequence version 1.
DT 12-AUG-2020, entry version 59.
DE RecName: Full=Major capsid protein {ECO:0000255|HAMAP-Rule:MF_04016};
DE Short=MCP {ECO:0000255|HAMAP-Rule:MF_04016};
GN Name=MCP {ECO:0000255|HAMAP-Rule:MF_04016};
OS Suid herpesvirus 1 (strain Indiana S) (SuHV-1) (Pseudorabies virus (strain
OS Indiana S)).
OC Viruses; Duplodnaviria; Heunggongvirae; Pploviricota; Herviviricetes;
OC Herpesvirales; Herpesviridae; Alphaherpesvirinae; Varicellovirus.
OX NCBI_TaxID=31522;
OH NCBI_TaxID=9823; Sus scrofa (Pig).
RN [1]
RP NUCLEOTIDE SEQUENCE [GENOMIC DNA].
RX PubMed=1718089; DOI=10.1016/0042-6822(91)90753-x;
RA Yamada S., Imada T., Watanabe W., Honda Y., Nakajima-Iijima S., Shimizu Y.,
RA Sekikawa K.;
RT "Nucleotide sequence and transcriptional mapping of the major capsid
RT protein gene of pseudorabies virus."
RL Virology 185:56-66(1991).
CC -!- FUNCTION: Self-assembles to form an icosahedral capsid with a T=16
CC symmetry, about 200 nm in diameter, and consisting of 150 hexons and 12
CC pentons (total of 162 capsomers). Hexons form the edges and faces of
CC the capsid and are each composed of six MCP molecules. In contrast, one
CC penton is found at each of the 12 vertices. Eleven of the pentons are
CC MCP pentamers, while the last vertex is occupied by the portal complex.
CC The capsid is surrounded by a layer of proteinaceous material
CC designated the tegument which, in turn, is desiged in an envelope of
CC host cell-derived lipids containing virus-encoded glycoproteins.
CC {ECO:0000255|HAMAP-Rule:MF_04016}.
CC -!- SUBUNIT: Homomultimer. Makes the hexons and eleven out of twelve
CC pentons. Interacts with triplex proteins 1/TRX1 and 2/TRX2; adjacent
CC capsomers are linked together in groups of three by triplexes,
CC heterotrimeric complexes composed of one molecule of TRX1 and two
CC molecules of TRX2. Interacts with scaffold protein; this interaction
CC allows efficient MCP transport to the host nucleus. Interacts with
CC capsid vertex component 2/CVC2. Interacts with the small capsomere-
CC interacting protein/SCP. {ECO:0000255|HAMAP-Rule:MF_04016}.
CC -!- SUBCELLULAR LOCATION: Virion {ECO:0000255|HAMAP-Rule:MF_04016}. Host
CC nucleus {ECO:0000255|HAMAP-Rule:MF_04016}.
CC -!- SIMILARITY: Belongs to the herpesviridae major capsid protein family.
CC {ECO:0000255|HAMAP-Rule:MF_04016}.
CC -----
CC Copyrighted by the UniProt Consortium, see <https://www.uniprot.org/terms>
CC Distributed under the Creative Commons Attribution (CC BY 4.0) License
CC -----
DR PIR; A40777; VCBES5.
DR DIP; DIP-62100N; -.
DR PRIDE; Q00705; -.
DR GO; GO:0042025; C:host cell nucleus; IEA:UniProtKB-SubCell.
DR GO; GO:0039622; C:T=16 icosahedral viral capsid; IEA:UniProtKB-UniRule.
DR GO; GO:0005198; F:structural molecule activity; IEA:UniProtKB-UniRule.
DR HAMAP; MF_04016; HSV_MCP; 1.
DR InterPro; IPR000912; Herpes_MCP.
DR InterPro; IPR023233; Herpes_MCP_upper_sf.
DR Pfam; PF03122; Herpes_MCP; 1.
DR PRINTS; PR00235; HSVCAPSIDMCP.
DR SUPFAM; SSF103417; SSF103417; 1.
PE 3: Inferred from homology;
KW Capsid protein; Host nucleus; T=16 icosahedral capsid protein; Virion.
FT CHAIN 1..1330
FT /note="Major capsid protein"
FT /id="PRO_0000115708"
SQ SEQUENCE 1330 AA; 145938 MW; 4E228145F773A522 CRC64;
MERPAILPSG QILSNIEVHS HRALFDIFKR FRSDNNLYG AEFDALLGTY CSTLSLVRFL
ELGLSVACVC TKFPELSYVA EGTIQFEVQQ PMIARDGPHP ADQPVHNYMI KRLDRRSLNA
AFSIAVEALG LISGENLDGT HISSAMRLRA IQQLARNVQA VLDSFERGTA DQMLRVLMEK
APPLSLLAPF LTYEGRILADR VACAALVSEL KRRVRDITFF LTKHERNKDA VLDRLSDLVN
CTAPSVAVAR MTHADTQGRP VDGVLVTTAG VRQRLHHLV TLADTHADVP VTYGEMVIAN
TNLVLTALVMG KAVSNMDDVA RYLLGGEPAP DDGKPVGSAR VRADLVVVGD RLVFLEALEK
RVYQATQVPY PLVGNLVDVF VMPLGVFKPA ADRYARHAGS FAPT PGLPDP RTHPPRAVHF
FNKDGVPCHV TFEHAMGTLC HPSFLDVSAT LAALRQEPAE VQCAFAYVA DAREDALVGL
MQRFLEEWPQ MMPVPRPWA AADQLLAP GNADLRLELH PAFDFVVAPE VDVPGPFVAVP
QVMGQVRAMP RIINGNIPLA LCPVDFRDAR GFELSDVRHR LAPATVAAVR GAFRDANYPM
VFYIEAVIH GSERTFCALA RLVAQCISY WRNTHNAAFV NNFYVMYIN TYLNGNELPE
DCAAVYKDLL EHVHALRRLI GEFTPLGDP LNQPQELNH ALADATLLPP LIWDCDPILY
RDGLAERLPE LRVNGRHFQH ILWVEMAQVN FRNVGGGLVH NRPVRNENQP LHPHDAEWS
VLSKIYYAV VPAPSRGNCC TMGVRYDRVY QLVQTMVVPE TDEEVGTDPP RHPPLHPRNLV
PNSNLVLFHN ACVAVDADAM LILQETVTNM AERTTPLLAS VAPDAGMATV ATRDMRTHDG

SLHHGLLMA YQNDATLLE GAFFYPAPVN ALFACADHLG AMRDVGAEVR AAAQHVPCVP
HFLGANYAT VRQPVAQHAA QSRADENTLS YALMAGYFKM SPVAFTHQLR RQLHPGFALT
VVRQDRFATE NVLFAEKASE SYFMGQMQVA RTESGGGLHL QLTQPRANVD LGVGFTAAYA
AAALRAPVTD MGNLPQNLFA TRGAPPMLDA DADDYLRRTV NAGNRLAPVP VFGQMLPQVP
AGLARGQSV CEFIATPVSV DLAYFRRACN PRGRAAGEVH GEEGLMFDHS HADFAHPHRA
TANPWASQRH SYADRLYNQ YNMSGPAYSP CFKFFTPAEA VAKSRGLARL IADTGAAASP
TSNGEYQFKR PVGAGELVED PCALFQEAYP PLCASDSALL RTPLGAEEHF AQYLIRDESP
LKGCQHASA

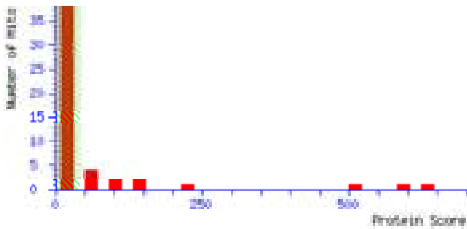
Mascot: <http://www.matrixscience.com/>

MASCOT Search Results

User : JPROS
 Email : pro@jbios.co.jp
 Search title : D:\JPROS\N094\150kDa_8micro.wiff (sample number 1)
 MS data file : mas87B.tmp
 Database : SwissProt 2021_03 (565254 sequences; 203850821 residues)
 Timestamp : 3 Jul 2021 at 09:27:52 GMT
 Protein hits : [MCP_SUHVS](#) Major capsid protein OS=Suid herpesvirus 1 (strain Indiana S) OX=31522 GN=MCP PE=3 SV=1
[K2C1_PANTR](#) Keratin, type II cytoskeletal 1 OS=Pan troglodytes OX=9598 GN=KRT1 PE=2 SV=1
[K1C9_HUMAN](#) Keratin, type I cytoskeletal 9 OS=Homo sapiens OX=9606 GN=KRT9 PE=1 SV=3
[TRYP_PIG](#) Trypsin OS=Sus scrofa OX=9823 PE=1 SV=1
[K22E_HUMAN](#) Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens OX=9606 GN=KRT2 PE=1 SV=2
[K1C10_HUMAN](#) Keratin, type I cytoskeletal 10 OS=Homo sapiens OX=9606 GN=KRT10 PE=1 SV=6
[K2C6B_HUMAN](#) Keratin, type II cytoskeletal 6B OS=Homo sapiens OX=9606 GN=KRT6B PE=1 SV=5
[K2C8_MOUSE](#) Keratin, type II cytoskeletal 8 OS=Mus musculus OX=10090 GN=Krt8 PE=1 SV=4
[K2C73_RAT](#) Keratin, type II cytoskeletal 73 OS=Rattus norvegicus OX=10116 GN=Krt73 PE=1 SV=1
[K2CO_CHICK](#) Keratin, type II cytoskeletal cochlear OS=Gallus gallus OX=9031 PE=2 SV=1
[K2C7_BOVIN](#) Keratin, type II cytoskeletal 7 OS=Bos taurus OX=9913 GN=KRT7 PE=2 SV=1
[PEX1_HUMAN](#) Peroxisome biogenesis factor 1 OS=Homo sapiens OX=9606 GN=PEX1 PE=1 SV=1

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 > 41 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 [Help](#)

Significance threshold $p <$ Max. number of hits

Standard scoring MudPIT scoring Display non-significant matches Show sub-sets

Show pop-ups Suppress pop-ups Sort unassigned Decreasing Score Require bold red

Preferred taxonomy All entries

Error tolerant

1. [MCP_SUHVS](#) Mass: 145844 Score: 632 Matches: 17(4) Sequences: 17(4) emPAI: 0.10

Major capsid protein OS=Suid herpesvirus 1 (strain Indiana S) OX=31522 GN=MCP PE=3 SV=1

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"/> 152	484.8105	967.6064	967.5815	0.0249	0	27	1.9	1	U	R.LAPATVAVR.G
<input checked="" type="checkbox"/> 190	531.3251	1060.6356	1060.6168	0.0188	0	40	0.13	1	U	R.LVFLEALEK.R
<input checked="" type="checkbox"/> 194	539.2542	1076.4938	1076.4921	0.0018	0	34	0.45	1	U	K.AVSNMDDVAR.Y
<input checked="" type="checkbox"/> 195	540.8060	1079.5974	1079.5651	0.0323	0	33	0.48	1	U	K.FFTPAEAVAK.S
<input checked="" type="checkbox"/> 203	580.8362	1159.6578	1159.6271	0.0307	0	59	0.0015	1	U	R.VAQAALVSELK.R + Carbamidomethyl (C)
<input checked="" type="checkbox"/> 227	634.8500	1267.6855	1267.6448	0.0406	0	84	4.2e-06	1	U	R.FATENVLFAEK.A
<input checked="" type="checkbox"/> 233	639.3407	1276.6668	1276.6412	0.0257	0	29	1.5	1	U	R.NVQAVLDSFER.G
<input checked="" type="checkbox"/> 258	458.9278	1373.7615	1373.7640	-0.0025	0	17	21	1	U	R.NVGGGLVHNR.PVR.N
<input checked="" type="checkbox"/> 275	507.2739	1518.8000	1518.7579	0.0421	0	16	26	2	U	R.HAGSFAPTPGLPDP.R
<input checked="" type="checkbox"/> 279	531.9625	1592.8658	1592.8271	0.0387	0	41	0.067	1	U	R.TESGGGLHLQLTQPR.A
<input checked="" type="checkbox"/> 284	836.9540	1671.8934	1671.8614	0.0320	0	59	0.0011	1	U	R.LSDLVNCVAPVAVAR.M + Carbamidomethyl (C)
<input checked="" type="checkbox"/> 290	582.2991	1743.8754	1743.8944	-0.0190	0	20	9.5	1	U	R.TPLGAEEHFAQYLIR.D
<input checked="" type="checkbox"/> 291	873.0145	1744.0144	1743.9559	0.0585	0	49	0.009	1	U	K.APPLSLAPFTLYEGR.L
<input checked="" type="checkbox"/> 294	897.4520	1792.8894	1792.8342	0.0552	0	32	0.57	1	U	R.ADENTLSYALMAGYFK.M
<input checked="" type="checkbox"/> 296	606.9709	1817.8907	1817.8519	0.0388	0	24	3.1	1	U	R.DGHPADQPVHNYMIK.R
<input checked="" type="checkbox"/> 301	633.6739	1897.9998	1897.9534	0.0464	0	38	0.13	1	U	R.YLLGGEPAPDDGKPVGSAR.V
<input checked="" type="checkbox"/> 318	611.3132	2441.2237	2441.2063	0.0174	0	37	0.11	1	U	R.AAAQHVPCVPHFLGANYATVR.Q + Carbamidomethyl (C)

2. [K2C1_PANTR](#) Mass: 65450 Score: 598 Matches: 22(7) Sequences: 15(7) emPAI: 0.46

Keratin, type II cytoskeletal 1 OS=Pan troglodytes OX=9598 GN=KRT1 PE=2 SV=1

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"/> 124	437.7633	873.5120	873.4920	0.0200	0	27	2.6	1	U	R.SLVNLGGSK.S
<input checked="" type="checkbox"/> 125	437.7722	873.5297	873.4920	0.0378	0	(26)	3.7	1	U	R.SLVNLGGSK.S
<input checked="" type="checkbox"/> 155	487.2774	972.5402	972.5240	0.0162	0	(18)	21	4	U	K.IEISELNR.V
<input checked="" type="checkbox"/> 156	487.2835	972.5524	972.5240	0.0284	0	27	2.8	1	U	K.IEISELNR.V
<input checked="" type="checkbox"/> 178	517.2678	1032.5211	1032.5087	0.0124	0	(13)	60	5	U	R.TLLEGEESR.M
<input checked="" type="checkbox"/> 179	517.2799	1032.5453	1032.5087	0.0366	0	13	58	3	U	R.TLLEGEESR.M
<input checked="" type="checkbox"/> 193	533.2699	1064.5252	1064.5138	0.0114	0	20	11	2	U	K.AQYEDIAQK.S

<input checked="" type="checkbox"/>	200	563.2873	1124.5601	1124.5349	0.0251	0	36	0.28	1	U	K.AEAESLYQSK.Y
<input checked="" type="checkbox"/>	205	590.3127	1178.6109	1178.5931	0.0178	0	(29)	1.4	1		K.YEELQITAGR.H
<input checked="" type="checkbox"/>	206	590.3152	1178.6158	1178.5931	0.0227	0	44	0.048	1		K.YEELQITAGR.H
<input checked="" type="checkbox"/>	233	639.3407	1276.6668	1276.7027	-0.0358	0	9	1.4e+02	4	U	K.LALDLEIATYR.T
<input checked="" type="checkbox"/>	249	651.8764	1301.7383	1301.7078	0.0305	0	60	0.001	1		R.SLDDLSIIAEVK.A
<input checked="" type="checkbox"/>	256	670.8534	1339.6923	1339.6619	0.0304	1	34	0.38	1	U	K.SKAEAESLYQSK.Y
<input checked="" type="checkbox"/>	260	692.3712	1382.7279	1382.6830	0.0449	0	83	5.1e-06	1	U	K.SLNNQFASFIDK.V
<input checked="" type="checkbox"/>	262	465.2602	1392.7587	1392.7249	0.0339	1	34	0.35	1	U	R.TNAENEFVTIKK.D
<input checked="" type="checkbox"/>	263	465.2641	1392.7704	1392.7249	0.0456	1	(10)	92	1	U	R.TNAENEFVTIKK.D
<input checked="" type="checkbox"/>	267	738.3922	1474.7699	1474.7416	0.0283	0	(10)	1.1e+02	1	U	K.WELLQQVDTSTR.T
<input checked="" type="checkbox"/>	268	738.4035	1474.7924	1474.7416	0.0508	0	42	0.058	1	U	K.WELLQQVDTSTR.T
<input checked="" type="checkbox"/>	269	738.4041	1474.7936	1474.7416	0.0520	0	(21)	8.6	1	U	K.WELLQQVDTSTR.T
<input checked="" type="checkbox"/>	270	738.4212	1474.8278	1474.7780	0.0498	0	67	0.00019	1		R.FLEQQNQVLQTK.W
<input checked="" type="checkbox"/>	281	546.9665	1637.8777	1637.8525	0.0251	1	42	0.053	1	U	K.SLNNQFASFIDKVR.F
<input checked="" type="checkbox"/>	304	665.3436	1993.0090	1992.9693	0.0396	0	64	0.00034	1	U	R.THNLEPYFESFINLR.R

Proteins matching the same set of peptides:

[K2C1_HUMAN](#) Mass: 65999 Score: 597 Matches: 22(7) Sequences: 15(7)
Keratin, type II cytoskeletal 1 OS=Homo sapiens OX=9606 GN=KRT1 PE=1 SV=6

3. [K1C9_HUMAN](#) Mass: 62027 Score: 506 Matches: 18(5) Sequences: 12(5) emPAI: 0.33
Keratin, type I cytoskeletal 9 OS=Homo sapiens OX=9606 GN=KRT9 PE=1 SV=3

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"/>	132	449.2245	896.4345	896.4062	0.0283	0	28	1.5	1	U	R.MTLDDFR.I
<input checked="" type="checkbox"/>	133	449.2256	896.4366	896.4062	0.0304	0	(16)	22	1	U	R.MTLDDFR.I
<input checked="" type="checkbox"/>	134	449.2385	896.4625	896.4062	0.0563	0	(2)	4.9e+02	4	U	R.MTLDDFR.I
<input checked="" type="checkbox"/>	135	449.2388	896.4630	896.4062	0.0568	0	(18)	12	1	U	R.MTLDDFR.I
<input checked="" type="checkbox"/>	188	530.8026	1059.5906	1059.5560	0.0345	0	36	0.34	1	U	K.TLLDIDNTR.M
<input checked="" type="checkbox"/>	189	530.8027	1059.5908	1059.5560	0.0348	0	(24)	5.3	3	U	K.TLLDIDNTR.M
<input checked="" type="checkbox"/>	191	533.2566	1064.4986	1064.4920	0.0066	0	30	1.1	2	U	K.STMQELNSR.L
<input checked="" type="checkbox"/>	192	533.2695	1064.5244	1064.4920	0.0324	0	(9)	1.2e+02	6	U	K.STMQELNSR.L
<input checked="" type="checkbox"/>	193	533.2699	1064.5252	1064.4920	0.0332	0	(8)	1.7e+02	8	U	K.STMQELNSR.L
<input checked="" type="checkbox"/>	202	579.3089	1156.6032	1156.5836	0.0195	0	53	0.0063	1	U	R.QGVADINGLR.Q
<input checked="" type="checkbox"/>	208	595.8174	1189.6202	1189.6013	0.0189	0	40	0.12	1	U	R.QVLDNLTMEK.S
<input checked="" type="checkbox"/>	278	793.8977	1585.7809	1585.7583	0.0226	0	25	2.8	1	U	K.VQALEEANNLENK.I
<input checked="" type="checkbox"/>	297	613.3321	1836.9746	1836.9581	0.0164	0	36	0.22	1	U	R.HGVQLEIEIQSLSK.K
<input checked="" type="checkbox"/>	299	617.9910	1850.9510	1850.9196	0.0314	1	32	0.5	1	U	K.TLNDMRQYEQLAK.N
<input checked="" type="checkbox"/>	314	767.0602	2298.1588	2298.1123	0.0465	1	59	0.00078	1	U	K.SDLEMQYETLQELMALKK.N
<input checked="" type="checkbox"/>	317	793.0802	2376.2189	2376.1808	0.0381	1	51	0.0048	1	U	R.LASYLDKQVQALEEANNLENK.I
<input checked="" type="checkbox"/>	322	968.1565	2901.4476	2901.4032	0.0444	1	48	0.0071	1	U	K.NYSPPYNTIDDLKQIVDLTVGNK.T
<input checked="" type="checkbox"/>	323	1088.8542	3263.5407	3263.5066	0.0342	0	69	5.2e-05	1	U	K.DIENQYETQITQIEHEVSSSGQEVQSSAK.E

4. [TRYP_PIG](#) Mass: 24394 Score: 211 Matches: 7(4) Sequences: 4(3) emPAI: 0.77
Trypsin OS=Sus scrofa OX=9823 PE=1 SV=1

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"/>	89	421.7710	841.5274	841.5022	0.0252	0	32	0.62	1	U	R.VATVSLPR.S
<input checked="" type="checkbox"/>	90	421.7733	841.5320	841.5022	0.0298	0	(27)	1.8	1	U	R.VATVSLPR.S
<input checked="" type="checkbox"/>	183	523.2802	1044.5459	1044.5564	-0.0105	0	(10)	1.3e+02	3	U	K.LSSPATLNSR.V
<input checked="" type="checkbox"/>	184	523.2964	1044.5782	1044.5564	0.0219	0	45	0.04	1	U	K.LSSPATLNSR.V
<input checked="" type="checkbox"/>	312	737.7190	2210.1350	2210.0967	0.0383	0	71	5.5e-05	1	U	R.LGEHNDVLEGNQFVINAAK.I
<input checked="" type="checkbox"/>	313	761.7499	2282.2277	2282.1729	0.0549	0	63	0.00031	1	U	K.IITHPNFNGNTLNDNDIMLIK.L
<input checked="" type="checkbox"/>	315	767.0713	2298.1920	2298.1678	0.0242	0	(59)	0.00085	1	U	K.IITHPNFNGNTLNDNDIMLIK.L + Oxidation (M)

5. [K22E_HUMAN](#) Mass: 65393 Score: 156 Matches: 6(2) Sequences: 3(2) emPAI: 0.12
Keratin, type II cytoskeletal 2 epidermal OS=Homo sapiens OX=9606 GN=KRT2 PE=1 SV=2

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"/>	155	487.2774	972.5402	972.5240	0.0162	0	(18)	21	4		K.IEISELNR.V
<input checked="" type="checkbox"/>	156	487.2835	972.5524	972.5240	0.0284	0	27	2.8	1		K.IEISELNR.V
<input checked="" type="checkbox"/>	253	665.3858	1328.7570	1328.7187	0.0383	0	63	0.00046	1		R.NLDDLSIIAEVK.A
<input checked="" type="checkbox"/>	268	738.4035	1474.7924	1474.7780	0.0144	0	(14)	38	2		R.FLEQQNQVLQTK.W
<input checked="" type="checkbox"/>	269	738.4041	1474.7936	1474.7780	0.0156	0	(11)	74	3		R.FLEQQNQVLQTK.W
<input checked="" type="checkbox"/>	270	738.4212	1474.8278	1474.7780	0.0498	0	67	0.00019	1		R.FLEQQNQVLQTK.W

6. [K1C10_HUMAN](#) Mass: 58792 Score: 133 Matches: 4(1) Sequences: 4(1) emPAI: 0.06
Keratin, type I cytoskeletal 10 OS=Homo sapiens OX=9606 GN=KRT10 PE=1 SV=6

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"/>	177	516.3094	1030.6042	1030.5910	0.0132	0	26	2.7	1	U	R.VLDELTLTK.A
<input checked="" type="checkbox"/>	197	545.7855	1089.5564	1089.5237	0.0328	0	38	0.19	1	U	K.VTMQNLNDR.L
<input checked="" type="checkbox"/>	259	691.3417	1380.6688	1380.6408	0.0280	0	56	0.0024	1	U	R.ALEESNYELEGK.I
<input checked="" type="checkbox"/>	272	498.6046	1492.7919	1492.7270	0.0650	1	13	52	1	U	R.SQYQLAEQNRK.D

7. [K2C6B_HUMAN](#) Mass: 60030 Score: 107 Matches: 3(2) Sequences: 2(2) emPAI: 0.13
Keratin, type II cytoskeletal 6B OS=Homo sapiens OX=9606 GN=KRT6B PE=1 SV=5

Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
205	590.3127	1178.6109	1178.5931	0.0178	0	(29)	1.4	1		K.YEELQITAGR.H
206	590.3152	1178.6158	1178.5931	0.0227	0	44	0.048	1		K.YEELQITAGR.H
253	665.3858	1328.7570	1328.7187	0.0383	0	63	0.00046	1		R.NLGLDLSIIAEVK.A

8. [K2C8_MOUSE](#) Mass: 54531 Score: 83 Matches: 1(1) Sequences: 1(1) emPAI: 0.07
 Keratin, type II cytoskeletal 8 OS=Mus musculus OX=10090 GN=Krt8 PE=1 SV=4
 Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
260	692.3712	1382.7279	1382.7194	0.0085	1	83	5.1e-06	1	U	K.SLNNKFAFIDK.V

9. [K2C73_RAT](#) Mass: 60349 Score: 76 Matches: 4(1) Sequences: 2(1) emPAI: 0.06
 Keratin, type II cytoskeletal 73 OS=Rattus norvegicus OX=10116 GN=Krt73 PE=1 SV=1
 Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
233	639.3407	1276.6668	1276.7027	-0.0358	0	9	1.4e+02	4		K.LALDIEIATYR.K
268	738.4035	1474.7924	1474.7780	0.0144	0	(14)	38	2		R.FLEQQNQVLQTK.W
269	738.4041	1474.7936	1474.7780	0.0156	0	(11)	74	3		R.FLEQQNQVLQTK.W
270	738.4212	1474.8278	1474.7780	0.0498	0	67	0.00019	1		R.FLEQQNQVLQTK.W

Proteins matching the same set of peptides:

[K2C73_MOUSE](#) Mass: 58875 Score: 75 Matches: 4(1) Sequences: 2(1)
 Keratin, type II cytoskeletal 73 OS=Mus musculus OX=10090 GN=Krt73 PE=1 SV=1

10. [K2C0_CHICK](#) Mass: 53770 Score: 72 Matches: 2(1) Sequences: 2(1) emPAI: 0.07
 Keratin, type II cytoskeletal cochlear OS=Gallus gallus OX=9031 PE=2 SV=1
 Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
233	639.3407	1276.6668	1276.7027	-0.0358	0	9	1.4e+02	4		K.LALDIEIATYR.K
253	665.3858	1328.7570	1328.7187	0.0383	0	63	0.00046	1		R.NLGLDLSIIAEVK.A

11. [K2C7_BOVIN](#) Mass: 51546 Score: 69 Matches: 2(1) Sequences: 2(1) emPAI: 0.07
 Keratin, type II cytoskeletal 7 OS=Bos taurus OX=9913 GN=KRT7 PE=2 SV=1
 Check to include this hit in error tolerant search

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
233	639.3407	1276.6668	1276.7027	-0.0358	0	9	1.4e+02	4		K.LALDIEIATYR.K
249	651.8764	1301.7383	1301.7078	0.0305	0	60	0.001	1		R.SLGLDLSIIAEVK.A

12. [PEX1_HUMAN](#) Mass: 142778 Score: 44 Matches: 3(1) Sequences: 1(1) emPAI: 0.03
 Peroxisome biogenesis factor 1 OS=Homo sapiens OX=9606 GN=PEX1 PE=1 SV=1
 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"/> 191	533.2566	1064.4986	1064.5358	-0.0372	1	44	0.042	1	U	K.GMMKELQTK.Q
<input checked="" type="checkbox"/> 192	533.2695	1064.5244	1064.5358	-0.0114	1	(19)	13	1	U	K.GMMKELQTK.Q
<input checked="" type="checkbox"/> 193	533.2699	1064.5252	1064.5358	-0.0106	1	(24)	4.4	1	U	K.GMMKELQTK.Q

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"/> 87	420.2303	838.4460	838.3565	0.0895	0	26	1.9	1		SMGIMVEG + Oxidation (M)
<input checked="" type="checkbox"/> 189	530.8027	1059.5908	1059.6176	-0.0268	0	24	4.7	1		LTETIGSIVK
<input checked="" type="checkbox"/> 155	487.2774	972.5402	972.4698	0.0704	0	22	8.3	1		IENLEPCR
<input checked="" type="checkbox"/> 100	428.2297	854.4448	854.4208	0.0241	0	21	6.4	1		TFELAMK + Oxidation (M)
<input checked="" type="checkbox"/> 54	400.3000	798.5854	798.5327	0.0527	1	21	5.1	1		KGGVVIVK
<input checked="" type="checkbox"/> 178	517.2678	1032.5211	1032.5088	0.0123	0	21	10	1		LTITGNDGDK
<input checked="" type="checkbox"/> 77	414.2280	826.4414	826.3717	0.0697	0	20	7.9	1		FPCMVSK + Oxidation (M)
<input checked="" type="checkbox"/> 79	414.2395	826.4644	826.3717	0.0927	0	20	8	1		FPCMVSK + Oxidation (M)
<input checked="" type="checkbox"/> 71	412.7607	823.5069	823.4262	0.0807	0	18	13	1		VAASMAFK
<input checked="" type="checkbox"/> 275	507.2739	1518.8000	1518.6845	0.1155	1	16	22	1		GLENAEQEGGEMGR + Oxidation (M)
<input checked="" type="checkbox"/> 171	502.2665	1002.5185	1002.5896	-0.0711	1	16	29	1		VGSGVLIKCK
<input checked="" type="checkbox"/> 222	414.2314	1239.6723	1239.5884	0.0839	1	16	25	1		ENAESFPKYR
<input checked="" type="checkbox"/> 147	472.2926	942.5706	942.5498	0.0207	0	16	30	1		TPTVSALVR
<input checked="" type="checkbox"/> 212	400.3000	1197.8782	1197.7445	0.1337	1	16	6.1	1		LLDGSLLAIKR
<input checked="" type="checkbox"/> 234	427.2634	1278.7682	1278.6456	0.1226	0	16	24	1		LTEVGVDFGSQK
<input checked="" type="checkbox"/> 170	500.2455	998.4765	998.5760	-0.0995	0	16	30	1		ITPVSQLNK
<input checked="" type="checkbox"/> 104	428.7817	855.5489	855.5178	0.0311	0	16	26	1		IALLSPSIR
<input checked="" type="checkbox"/> 166	498.8123	995.6100	995.5036	0.1064	0	15	28	1		EPASGGTLHK
<input checked="" type="checkbox"/> 179	517.2799	1032.5453	1032.5088	0.0366	0	15	38	1		LTITGNDGDK
<input checked="" type="checkbox"/> 73	413.2000	824.3854	824.3916	-0.0061	0	15	22	1		TYDLEK
<input checked="" type="checkbox"/> 78	414.2391	826.4637	826.3717	0.0920	0	14	30	1		FPCMVSK + Oxidation (M)
<input checked="" type="checkbox"/> 209	400.3000	1197.8782	1197.6829	0.1953	1	14	8.8	1		LEAQRLEAIR
<input checked="" type="checkbox"/> 295	897.9324	1793.8502	1793.9321	-0.0819	0	14	32	1		CLGHLFLSLGMVYLR + Carbamidomethyl (C); Oxidation
<input checked="" type="checkbox"/> 75	414.2174	826.4203	826.5276	-0.1073	0	14	35	1		LIGQVIGK
<input checked="" type="checkbox"/> 175	507.3298	1012.6450	1012.6029	0.0421	1	14	40	1		IEAAGGKIVR
<input checked="" type="checkbox"/> 146	472.2845	942.5545	942.4593	0.0952	0	13	55	1		MQEPAVPR + Oxidation (M)
<input checked="" type="checkbox"/> 103	428.7813	855.5481	855.4814	0.0667	0	13	45	1		IVDVTGPR

<input checked="" type="checkbox"/>	118	435.2764	868.5382	868.4225	0.1157	0	5	2.5e+02	1	HMIHTSK + Oxidation (M)
<input checked="" type="checkbox"/>	117	434.7919	867.5692	867.4160	0.1532	0	5	2.6e+02	1	MNTVPYK + Oxidation (M)
<input checked="" type="checkbox"/>	282	553.6000	1657.7782	1657.8709	-0.0927	0	5	3e+02	1	ILQEAVAVGVGVMDNK + Oxidation (M)
<input checked="" type="checkbox"/>	280	818.3000	1634.5854	1634.7149	-0.1295	0	5	94	1	VHQMTNNINMMCR + 2 Oxidation (M)
<input checked="" type="checkbox"/>	97	427.3048	852.5950	852.5181	0.0769	0	5	2e+02	1	AGVPAAVIR
<input checked="" type="checkbox"/>	264	704.2357	1406.4568	1406.6435	-0.1866	0	5	67	1	ASLACSSWPLCR + 2 Carbamidomethyl (C)
<input checked="" type="checkbox"/>	105	431.1000	860.1854	860.3777	-0.1922	0	5	23	1	WGDVNR
<input checked="" type="checkbox"/>	94	426.2873	850.5601	850.4041	0.1561	0	5	3.2e+02	1	EMVLMGR + Oxidation (M)
<input checked="" type="checkbox"/>	145	464.2758	926.5371	926.4821	0.0550	0	5	3.6e+02	1	GFNGLDINK
<input checked="" type="checkbox"/>	243	432.3000	1293.8782	1293.7194	0.1588	1	4	1.2e+02	1	VFSKPRFQGTK
<input checked="" type="checkbox"/>	106	432.1884	862.3623	862.4661	-0.1038	0	4	4.6e+02	1	ATAAFNIR
<input checked="" type="checkbox"/>	51	400.2415	798.4685	798.4170	0.0515	1	4	2.7e+02	1	ICKHGGK + Carbamidomethyl (C)
<input checked="" type="checkbox"/>	134	449.2385	896.4625	896.4208	0.0417	1	4	3.4e+02	1	MTMRGASK + Oxidation (M)
<input checked="" type="checkbox"/>	173	504.2425	1006.4704	1006.4832	-0.0128	1	4	4.9e+02	1	KSPFDGSR
<input checked="" type="checkbox"/>	168	498.8145	995.6144	995.5036	0.1108	0	4	3.8e+02	1	NSPQASPPAK
<input checked="" type="checkbox"/>	254	445.1393	1332.3959	1332.5728	-0.1769	0	4	39	1	AAAEQCGGAGVEADR
<input checked="" type="checkbox"/>	223	417.2000	1248.5782	1248.6206	-0.0424	0	4	4.6e+02	1	SLEMPVIMASR + Oxidation (M)
<input checked="" type="checkbox"/>	310	702.2326	2103.6761	2103.8507	-0.1747	0	4	9.2	1	TMQTSQDSMPMSLNDSGR + 2 Oxidation (M)
<input checked="" type="checkbox"/>	244	432.3000	1293.8782	1293.6785	0.1997	1	3	1.5e+02	1	KMVNILMANTK + 2 Oxidation (M)
<input checked="" type="checkbox"/>	245	432.3000	1293.8782	1293.6864	0.1918	1	3	1.5e+02	1	TFTGMPRLTVR + Oxidation (M)
<input checked="" type="checkbox"/>	182	523.1415	1044.2685	1044.4593	-0.1908	1	3	46	1	NKHGCDICR
<input checked="" type="checkbox"/>	251	441.7954	1322.3644	1322.5408	-0.1765	1	3	24	1	EDDAQCGKDSK
<input checked="" type="checkbox"/>	107	432.3000	862.5854	862.4946	0.0909	1	3	5.4e+02	1	MALTAATK
<input checked="" type="checkbox"/>	306	999.7910	1997.5675	1997.7376	-0.1701	0	3	2.2	1	GQCMPVVDGDTYTYGCR + Carbamidomethyl (C); Oxidati
<input checked="" type="checkbox"/>	298	463.1590	1848.6067	1848.7295	-0.1227	0	3	28	1	GLCNFLMSDEYDDR + Carbamidomethyl (C)
<input checked="" type="checkbox"/>	283	555.6000	1663.7782	1663.7334	0.0448	1	3	4.1e+02	1	CSSCGEGFANTYGLKK
<input checked="" type="checkbox"/>	238	430.1498	1287.4276	1287.6169	-0.1893	0	3	1.5e+02	1	YTCASIFAEEVK
<input checked="" type="checkbox"/>	137	449.3480	896.6814	896.5444	0.1371	0	3	1.6e+02	1	VFVVASVAR
<input checked="" type="checkbox"/>	215	402.3000	1203.8782	1203.7088	0.1694	0	3	71	1	ALGAIITHPSIR
<input checked="" type="checkbox"/>	239	431.1000	1290.2782	1290.4461	-0.1680	0	3	1.7	1	TGNCTCGGCTCK + Carbamidomethyl (C)
<input checked="" type="checkbox"/>	167	498.8137	995.6128	995.5988	0.0140	1	3	5.1e+02	1	RELVRPAR
<input checked="" type="checkbox"/>	126	441.8023	881.5900	881.4025	0.1875	1	3	4.8e+02	1	NSRMGSSK + Oxidation (M)
<input checked="" type="checkbox"/>	300	628.2320	1881.6741	1881.7864	-0.1123	1	2	91	1	YGEDEDEEQEEDRK
<input checked="" type="checkbox"/>	138	450.2858	898.5571	898.4218	0.1353	0	2	5.9e+02	1	GYMVAAGSK + Oxidation (M)
<input checked="" type="checkbox"/>	261	463.1571	1386.4494	1386.6449	-0.1955	0	2	1.1e+02	1	MSGGYTSLESSIR
<input checked="" type="checkbox"/>	92	425.2699	848.5252	848.4239	0.1012	1	2	7.2e+02	1	TEAEKSKK
<input checked="" type="checkbox"/>	232	425.7861	1274.3364	1274.4842	-0.1478	1	2	25	1	GCKCLSNVYCG + 3 Carbamidomethyl (C)
<input checked="" type="checkbox"/>	141	455.2641	908.5137	908.5153	-0.0016	1	2	6.6e+02	1	IKLMFNK + Oxidation (M)
<input checked="" type="checkbox"/>	150	480.1863	958.3581	958.4654	-0.1073	0	2	7.2e+02	1	MAAGAPAAGAR + Oxidation (M)
<input checked="" type="checkbox"/>	242	432.3000	1293.8782	1293.6864	0.1918	1	2	2.1e+02	1	TFTGMPRLTVR + Oxidation (M)
<input checked="" type="checkbox"/>	311	703.2455	2106.7147	2106.9139	-0.1992	0	2	31	1	GMNDCLPEQSGLWQAEK + Oxidation (M)
<input checked="" type="checkbox"/>	84	417.2000	832.3854	832.4331	-0.0476	0	2	7.7e+02	1	YTPPEVK
<input checked="" type="checkbox"/>	149	477.3294	952.6443	952.4462	0.1982	1	2	5.4e+02	1	SDGTSKSGSK
<input checked="" type="checkbox"/>	148	477.2887	952.5629	952.4800	0.0829	0	2	7.1e+02	1	TYGICGAIR
<input checked="" type="checkbox"/>	70	818.3000	817.2927	817.3970	-0.1043	0	2	8.9e+02	1	GDEIAWK
<input checked="" type="checkbox"/>	309	523.1466	2088.5575	2088.7347	-0.1772	0	1	1	1	DCEGSDDEEGCSPPNFTK + Carbamidomethyl (C)
<input checked="" type="checkbox"/>	115	434.2701	866.5257	866.5086	0.0171	1	1	6.7e+02	1	HVNTLKR
<input checked="" type="checkbox"/>	127	441.8037	881.5928	881.4971	0.0958	0	1	6.7e+02	1	AATQPAPVK
<input checked="" type="checkbox"/>	320	927.4760	2779.4063	2779.4297	-0.0235	0	1	4.2e+02	1	VALVSFVIVVIGFLMKPLNMDGK + 2 Oxidation (M)
<input checked="" type="checkbox"/>	293	445.1405	1776.5331	1776.7276	-0.1946	1	1	21	1	CTACPGCLQCSHRDR
<input checked="" type="checkbox"/>	128	447.3608	892.7071	892.5382	0.1690	1	0	1.1e+02	1	LQKYLTK
<input checked="" type="checkbox"/>	226	419.3315	1254.9727	1254.7772	0.1955	1	0	12	1	LARLSSGVALLR
<input checked="" type="checkbox"/>	241	431.1135	1290.3188	1290.5090	-0.1902	1	0	15	1	ACMHDRCCPK
<input checked="" type="checkbox"/>	229	424.3184	1269.9334	1269.7553	0.1781	0	0	97	1	CVVMGIFLVIVK
<input checked="" type="checkbox"/>	129	447.3630	892.7114	892.5130	0.1984	0	0	1.2e+02	1	APQPKPK
<input checked="" type="checkbox"/>	1	400.2701	399.2628							
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<input checked="" type="checkbox"/>			
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<input checked="" type="checkbox"/>	44	497.4203	496.4130
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<input checked="" type="checkbox"/>	49	640.8000	639.7927
<input checked="" type="checkbox"/>	60	401.5000	800.9854
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<input checked="" type="checkbox"/>	81	414.3249	826.6353
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<input checked="" type="checkbox"/>	240	431.1114	1290.3125
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<input checked="" type="checkbox"/>	247	432.4000	1294.1782
<input checked="" type="checkbox"/>	248	432.4000	1294.1782
<input checked="" type="checkbox"/>	266	482.0428	1443.1066
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<input checked="" type="checkbox"/>	288	431.1177	1720.4419
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<input checked="" type="checkbox"/>	305	499.3450	1993.3508
<input checked="" type="checkbox"/>	307	523.1340	2088.5067
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<input checked="" type="checkbox"/>	319	818.3000	2451.8782
<input checked="" type="checkbox"/>	321	702.2385	2804.9250

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 : ± 0.2 Da
 Fragment Mass Tolerance : ± 0.2 Da
 Max Missed Cleavages : 1
 Instrument type : Default
 Number of queries : 323

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