

# MATRIX SCIENCE Mascot Search Results

## Peptide View

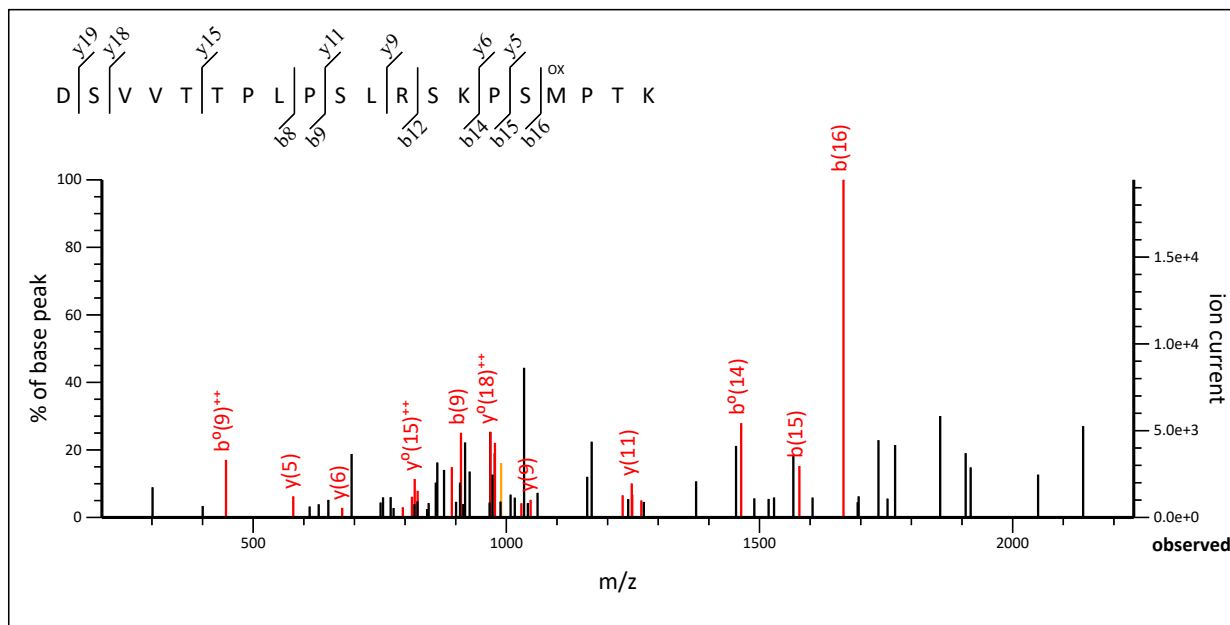
MS/MS Fragmentation of **DSVVTPLPSLRKPSMPTK**

Found in **XP\_006994716.1** in **NCBIprot**, PREDICTED: immunoglobulin superfamily member 10 [Peromyscus maniculatus bairdii]

Match to Query 14: 2155.875448 from(1078.945000,2+) intensity(61779.0000) rtinseconds(352.979) scans(MS: 241 MSMS: 243) index(2)

Title: Cmpd 3, +MS2(1078.95), 5.9 min #243

Data file LM\_24%.mgf



Label all possible matches  Label matches used for scoring

Monoisotopic mass of neutral peptide Mr(calc): 2156.1511

Fixed modifications: Carbamidomethyl (C) (apply to specified residues or termini only)

Variable modifications:

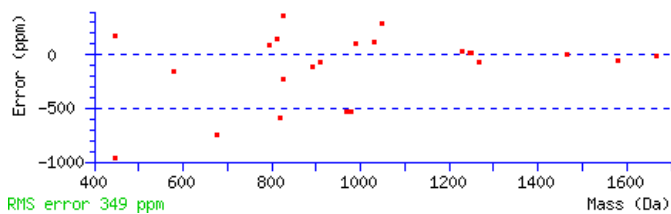
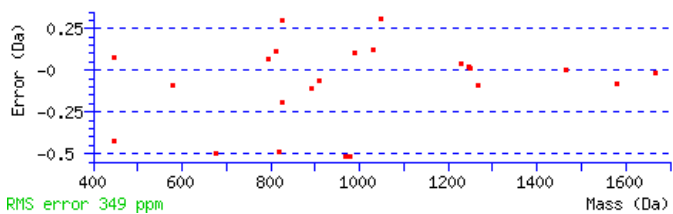
M17 : Oxidation (M), with neutral losses 0.0000(shown in table), 63.9983

Ions Score: 10 Expect: 2e+03

Matches : 23/318 fragment ions using 65 most intense peaks ([help](#))

#	b	b <sup>++</sup>	b <sup>*</sup>	b <sup>*++</sup>	b <sup>0</sup>	b <sup>0++</sup>	Seq.	y	y <sup>++</sup>	y <sup>*</sup>	y <sup>*++</sup>	y <sup>0</sup>	y <sup>0++</sup>	#
1	116.0342	58.5207			98.0237	49.5155	D							20
2	203.0662	102.0368			185.0557	93.0315	S	2042.1314	1021.5694	2025.1049	1013.0561	2024.1209	1012.5641	19
3	302.1347	151.5710			284.1241	142.5657	V	1955.0994	<b>978.0533</b>	1938.0729	969.5401	1937.0888	<b>969.0481</b>	18
4	401.2031	201.1052			383.1925	192.0999	V	1856.0310	928.5191	1839.0044	920.0059	1838.0204	919.5139	17
5	502.2508	251.6290			484.2402	242.6237	T	1756.9626	878.9849	1739.9360	870.4717	1738.9520	869.9796	16
6	603.2984	302.1529			585.2879	293.1476	T	1655.9149	828.4611	1638.8884	819.9478	1637.9043	<b>819.4558</b>	15
7	700.3512	350.6792			682.3406	341.6740	P	1554.8672	777.9373	1537.8407	769.4240	1536.8567	768.9320	14
8	<b>813.4353</b>	407.2213			<b>795.4247</b>	398.2160	L	1457.8145	729.4109	1440.7879	720.8976	1439.8039	720.4056	13
9	<b>910.4880</b>	455.7477			<b>892.4775</b>	<b>446.7424</b>	P	1344.7304	672.8688	1327.7038	664.3556	1326.7198	663.8636	12
10	997.5201	499.2637			979.5095	490.2584	S	<b>1247.6776</b>	624.3425	1230.6511	615.8292	<b>1229.6671</b>	615.3372	11
11	1110.6041	555.8057			1092.5936	546.8004	L	1160.6456	580.8264	1143.6191	572.3132	1142.6350	571.8212	10
12	<b>1266.7052</b>	633.8563	1249.6787	625.3430	<b>1248.6947</b>	624.8510	R	<b>1047.5615</b>	524.2844	1030.5350	515.7711	<b>1029.5510</b>	515.2791	9
13	1353.7373	677.3723	1336.7107	668.8590	1335.7267	668.3670	S	891.4604	<b>446.2339</b>	874.4339	437.7206	873.4499	437.2286	8
14	1481.8322	741.4197	1464.8057	732.9065	<b>1463.8217</b>	732.4145	K	804.4284	402.7178	787.4019	394.2046	786.4178	393.7126	7
15	<b>1578.8850</b>	789.9461	1561.8584	781.4329	1560.8744	780.9408	P	<b>676.3334</b>	338.6704	659.3069	330.1571	658.3229	329.6651	6
16	<b>1665.9170</b>	833.4621	1648.8905	<b>824.9489</b>	1647.9064	<b>824.4569</b>	S	<b>579.2807</b>	290.1440	562.2541	281.6307	561.2701	281.1387	5

17	1812.9524	906.9798	1795.9259	898.4666	1794.9418	897.9746	M	492.2486	246.6280	475.2221	238.1147	474.2381	237.6227	4
18	1910.0052	955.5062	1892.9786	946.9930	1891.9946	946.5009	P	345.2132	173.1103	328.1867	164.5970	327.2027	164.1050	3
19	2011.0529	1006.0301	1994.0263	997.5168	1993.0423	997.0248	T	248.1605	124.5839	231.1339	116.0706	230.1499	115.5786	2
20							K	147.1128	74.0600	130.0863	65.5468			1



NCBI BLAST search of [DSVVTPLPSLRSKPSMPTK](#)  
 (Parameters: blastp, nr protein database, expect=20000, no filter, PAM30)  
 Other BLAST [web gateways](#)

All matches to this query

Score	Mr(calc)	Delta	Sequence
9.6	2156.1511	-0.2757	<a href="#">DSVVTPLPSLRSKPSMPTK</a>
8.9	2155.9845	-0.1090	<a href="#">MGTHYSGLATWGQTTVTVSS</a>
8.6	2155.9797	-0.1043	<a href="#">GDAGYDDVELSALGTSPETFL</a>
8.3	2155.8989	-0.0234	<a href="#">SSDDSSDTSESEEDAKRPK</a>
8.0	2156.9111	-1.0357	<a href="#">CEECGNAFCTLHVSVMKMK</a>
5.8	2156.0758	-0.2004	<a href="#">VGMFKIHPEIPEALSMDAR</a>
5.5	2155.9579	-0.0825	<a href="#">DGQYDTACDVIVETKGEK</a>
5.0	2156.0094	-0.1340	<a href="#">SSGSSSGGLGTVSNPASQHAPGK</a>
4.6	2155.1057	0.7697	<a href="#">FKETYILILTACVICQPS</a>
4.2	2156.0316	-0.1561	<a href="#">YLSHMLMLGNVLGTTMESK</a>

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