

Data requested for single peptide-based protein identification (spot number 5004)

Mascot Search Results

Database : NCBIInr 20130918 (32611672 sequences; 11345269536 residues)
Taxonomy : Viridiplantae (Green Plants) (1499150 sequences)

[gi|357458857](#) Mass: 11304 Score: 79 Matches: 1(1) Sequences: 1(1) emPAI: 0.35
Cysteine proteinase inhibitor [Medicago truncatula]

Check to include this hit in error tolerant search

<input checked="" type="checkbox"/>	Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Unique	Peptide
	185	815.5800	1629.1454	1628.8118	0.3337	0	79	6.8e-05	1	U	R.DVSGNQNSLAIDGLAR.F

Peptide View

MS/MS Fragmentation of **DVSGNQNSLAIDGLAR**

Found in [gi|357458857](#) in **NCBIInr**, Cysteine proteinase inhibitor [Medicago truncatula]

Match to Query 185: 1629.145448 from(815.580000,2+) intensity(84577.0000) index(90)

Title: Cmpd 91, +MSn(815.9), 8.6 min

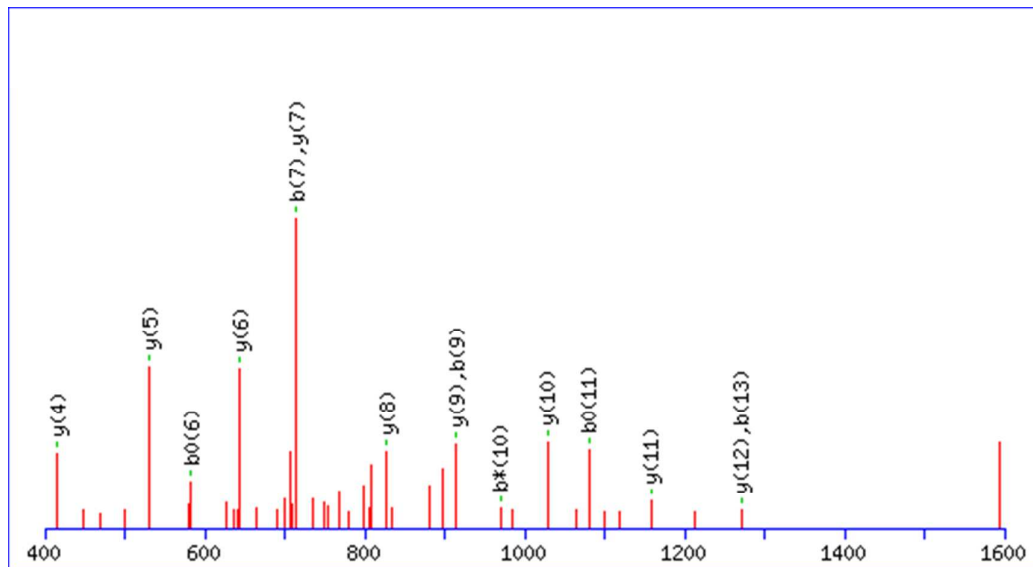
Data file 5004.mgf

Click mouse within plot area to zoom in by factor of two about that point

Or, to Da

Label all possible matches Label matches used for scoring

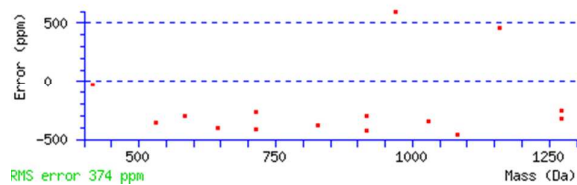
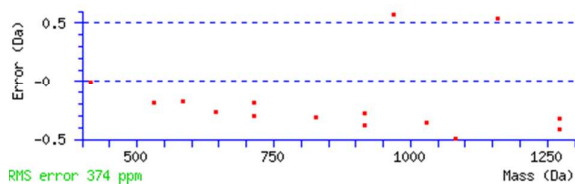
Show Y-axis



Monoisotopic mass of neutral peptide Mr(calc): 1628.8118

Ions Score: 79 Expect: 6.8e-05

#	b	b ⁺⁺	b [*]	b ^{**}	b ⁰	b ⁰⁺⁺	Seq.	y	y ⁺⁺	y [*]	y ^{**}	y ⁰	y ⁰⁺⁺	#
1	116.0342	58.5207			98.0237	49.5155	D							16
2	215.1026	108.0550			197.0921	99.0497	V	1514.7921	757.8997	1497.7656	749.3864	1496.7816	748.8944	15
3	302.1347	151.5710			284.1241	142.5657	S	1415.7237	708.3655	1398.6972	699.8522	1397.7132	699.3602	14
4	359.1561	180.0817			341.1456	171.0764	G	1328.6917	664.8495	1311.6652	656.3362	1310.6811	655.8442	13
5	473.1991	237.1032	456.1725	228.5899	455.1885	228.0979	N	1271.6702	636.3388	1254.6437	627.8255	1253.6597	627.3335	12
6	601.2576	301.1325	584.2311	292.6192	583.2471	292.1272	Q	1157.6273	579.3173	1140.6008	570.8040	1139.6167	570.3120	11
7	715.3006	358.1539	698.2740	349.6406	697.2900	349.1486	N	1029.5687	515.2880	1012.5422	506.7747	1011.5582	506.2827	10
8	802.3326	401.6699	785.3060	393.1567	784.3220	392.6646	S	915.5258	458.2665	898.4993	449.7533	897.5152	449.2613	9
9	915.4166	458.2120	898.3901	449.6987	897.4061	449.2067	L	828.4938	414.7505	811.4672	406.2373	810.4832	405.7452	8
10	986.4538	493.7305	969.4272	485.2172	968.4432	484.7252	A	715.4097	358.2085	698.3832	349.6952	697.3991	349.2032	7
11	1099.5378	550.2726	1082.5113	541.7593	1081.5273	541.2673	I	644.3726	322.6899	627.3461	314.1767	626.3620	313.6847	6
12	1214.5648	607.7860	1197.5382	599.2727	1196.5542	598.7807	D	531.2885	266.1479	514.2620	257.6346	513.2780	257.1426	5
13	1271.5862	636.2968	1254.5597	627.7835	1253.5757	627.2915	G	416.2616	208.6344	399.2350	200.1212			4
14	1384.6703	692.8388	1367.6437	684.3255	1366.6597	683.8335	L	359.2401	180.1237	342.2136	171.6104			3
15	1455.7074	728.3573	1438.6809	719.8441	1437.6968	719.3521	A	246.1561	123.5817	229.1295	115.0684			2
16							R	175.1190	88.0631	158.0924	79.5498			1



NCBI BLAST search of [DVSGNQNSLAIDGLAR](#)