

spot: 1


Mascot Search Results
Protein View

Match to: **AO090003001112** Score: **117** Expect: **2.4e-008**
acyl-CoA synthetase

Nominal mass (M_r): **74750**; Calculated pI value: **5.83**
 NCBI BLAST search of [AO090003001112](#) against nr
 Unformatted [sequence string](#) for pasting into other applications

Fixed modifications: Carbamidomethyl (C)
 Variable modifications: Oxidation (M)
 Cleavage by Trypsin: cuts C-term side of KR unless next residue is P
 Number of mass values searched: **38**
 Number of mass values matched: **14**
 Sequence Coverage: **24%**

Matched peptides shown in **Bold Red**

```

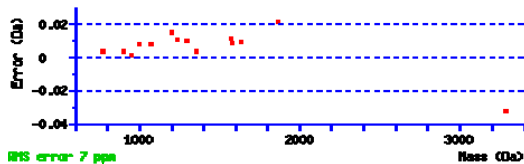
1  MADGNVMPPK  PSVLEAHEV  DTFHVPKAFY  EKHPGTGLK  DLDEYKKLYD
51  ESIRSPQTFW  ARMARELLSF  DKDFQTHHTG  SLENGDSAWF  VEGRLNAAYN
101 CVDRHALKNP  DKVAIIYEAD  EPNEGRTITY  GELLREVSRV  AWVLKQQGVK
151 KGDTVAIYLP  MIPEAVVAFI  ACSRIGAIHS  VVFAGFSSDS  LRDRVIDAGS
201 KVVITTDDEGK  RGGKVIQTKR  IVDEALKQCP  DVTSVLVYKR  TGTEVPWTQG
251 RDVWHEEVE  KYPNYFPPEP  VSSEDLPLFL  YTSSTGKPK  GVMHTTAGYL
301 LGAAMTKGYV  FDIHDDDRFF  CGGDVGWITG  HTYVVYAPLL  LGCSTVVFES
351 TPAYPNFSRY  WDVIEKHQVT  QFYVAPTALR  LLKRAQDEHI  HHKMAHLRL
401 GSVGEPIAAE  VWKWFYFKVG  KEEAHICDTY  WQTEGTSNVI  TPLGGITPTK
451 PGSASLPFFG  IEPAIIDPVS  GEEISGNQVE  GVLAQKQFMP  SMARTVWGAH
501 KRYMDTYLNV  YKGYFTGDD  AGRDHDGYW  IRGRVDDVNV  VSGHRLSTAE
551 IEAALLEHHM  VAEAAVVGI  DELTGQAVNA  FVSLKEGNET  NEQVRKDLVM
601 QVRKSIQPPA  APKAVFVDD  LPKTRSGKIM  RRILRKILSG  EEDSLGDTST
651 LSDPSVVDKI  IETVHTARCK
  
```

Show predicted peptides also

Sort Peptides By Residue Number Increasing Mass Decreasing Mass

Start - End	Observed	Mr (expt)	Mr (calc)	Delta	Miss	Sequence
48 - 54	895.4556	894.4483	894.4447	0.0037	0	LYDESIR
55 - 62	992.5030	991.4957	991.4875	0.0082	0	SPQTFWAR
66 - 94	3286.4961	3285.4888	3285.5213	-0.0325	1	ELLSFDKDFQTHHTGSLLENGDSAWFVEGR
95 - 104	1195.5676	1194.5603	1194.5451	0.0152	0	LNAAYNCVDR
113 - 126	1575.7738	1574.7665	1574.7576	0.0090	0	VAIYEAEPENEGR
127 - 135	1065.6018	1064.5945	1064.5866	0.0080	0	TITYGELLR
175 - 192	1862.9977	1861.9904	1861.9686	0.0219	0	IGAIHSVVFAGFSSDSLRL
241 - 251	1231.6174	1230.6101	1230.5993	0.0109	0	TGTEVPWTQGR
252 - 261	1356.6252	1355.6179	1355.6146	0.0034	0	DVWHEVEVK
309 - 318	1294.5798	1293.5725	1293.5625	0.0100	0	YVFDIHDDDR
360 - 366	952.4791	951.4718	951.4701	0.0017	0	YWDVIEK
367 - 380	1630.8795	1629.8722	1629.8627	0.0096	0	HQVTQFYVAPTALR
399 - 413	1568.8800	1567.8727	1567.8609	0.0118	0	ILGSVGEPIAAEVEVK
414 - 418	772.3702	771.3629	771.3591	0.0038	0	WYFEK

No match to: 842.5062, 909.4680, 977.5123, 1024.5034, 1106.5853, 1138.4993, 1161.6558, 1230.6338, 1402.6331, 1518.7035, 1522.7644, 1589



No report text found using parse rule 9

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