

 **MASCOT Search Results**
Protein View: gi|166079760**outer membrane protein C [Escherichia coli]**

Database: NCBInr
Score: 185
Nominal mass (Mr): 40275
Calculated pI: 4.50
Taxonomy: [Escherichia coli](#)

This protein sequence matches the following other entries:

- [gi|241110589](#) from [Escherichia coli](#)

Sequence similarity is available as [an NCBI BLAST search of gi|166079760 against nr](#).

Search parameters

MS data file: C1.mgf
Enzyme: Trypsin: cuts C-term side of K/R unless next residue is P.
Fixed modifications: Carbamidomethyl (C)
Variable modifications: Oxidation (M)

Protein sequence coverage: 14%

Matched peptides shown in **bold red**.

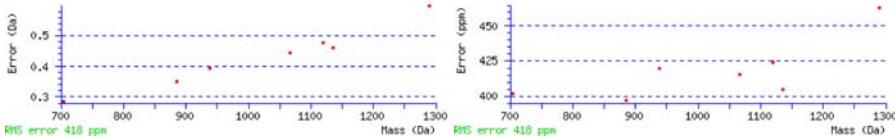
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1 MKVKVLSLLV PALLVAGAAN AAEIYNKDGN KLDLYGVGD LHYFSNDNSK
51 DGDKTYMRLG FKGETQVTDQ LTGYQWYEQ IQGNEPESDN SSWTRVAFAG
101 LKFQDVGSD YGRNYGVYD VTSWTDVLPF FGGDTYDSDN FMQQRGNGFA
151 TYRNTDFGLV DGLDPAVQY QGKNGSAHGE GMTTNGRDDV FEQNGDGVG
201 SITYNVEGFG IGAIVSSSKR TWDQNNNTGLI GTGDRAETTYT GGKLYDANNI
251 YLAAQYQTQY NATRVGSLGW ANKAQNFEAV AQYQFDGLR PSLAYLQSKG
301 KNLGRGYDDE DILKXVDVGA YYFKNNMST YVDYKTNLLD DNRFTRDAGI
351 NTDDIVALQ VYQF
```

Unformatted sequence string: **364 residues** (for pasting into other applications).

Sort peptides by Residue Number Increasing Mass Decreasing Mass

Show predicted peptides also

Query Start - End	Observed	Mr (expt)	Mr (calc)	Delta M	Score	Expect	Rank	U	Peptide
16 96 - 102	353.3600	704.7054	704.4221	0.2833 0	24	2.4	1	R.VAFAGLK.F	
41 103 - 113	646.0900	1290.1654	1289.5677	0.5978 0	41	0.39	1	K.FQDVGSFDYGR.N	
29 146 - 153	443.3900	884.7654	884.4141	0.3514 0	15	1.4e+002	2	R.GNGFATYR.N	
31 236 - 244	470.4400	938.8654	938.4709	0.3945 0	31	3.4	1	R.AETTYTGGLK.Y	
36 306 - 314	534.4700	1066.9254	1066.4819	0.4436 0	53	0.016	1	R.GYDDEDILK.Y	
37 327 - 335	560.9900	1119.9654	1119.4906	0.4748 0	21	33	1	K.NMSTYVDYK.T	
39 327 - 335	568.9800	1135.9454	1135.4856	0.4599 0	13	2.2e+002	2	K.NMSTYVDYK.T + Oxidation (M)	



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LOCUS ABY81617          364 aa          linear      BCT 21-APR-2008
DEFINITION outer membrane protein C [Escherichia coli].
ACCESSION ABY81617
VERSION ABY81617.1
DBSOURCE accession EU372011.1
KEYWORDS .
SOURCE Escherichia coli
ORGANISM Escherichia coli
Bacterium; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Escherichia.
REFERENCE 1 (residues 1 to 364)
AUTHORS Liu,Y.-F., Yan,J.-J., Ko,W.C., Tsai,S.H. and Wu,J.J.
TITLE Characterization of carbapenem-non-susceptible Escherichia coli
isolates from a university hospital in Taiwan
JOURNAL J. Antimicrob. Chemother. 61 (5), 1020-1023 (2008)
PUBLISHED 18292097
REFERENCE 2 (residues 1 to 364)
AUTHORS Liu,Y.-F., Yan,J.-J. and Wu,J.-J.
TITLE Direct Submission
JOURNAL Submitted (02-JAN-2008) Institute of Basic Medical Sciences,
College of Medicine, National Cheng-Kung University, 1st,
University Road, Tainan, Taiwan
FEATURES Location/Qualifiers
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/note="outer membrane porin protein C; Provisional"
/db_xref="CDD:182543"
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97..101,111..113,145,147..148,324..325,328,360,362,364)
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