



MASCOT Search Results

Protein View: gi|166079760

outer membrane protein C [Escherichia coli]

Database: NCBI

Score: 185

Nominal mass (M<sub>r</sub>): 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 KR unless next residue is P.

Fixed modifications: [Carbamidomethyl \(C\)](#)

Variable modifications: [Oxidation \(M\)](#)

Protein sequence coverage: 14%

Matched peptides shown in **bold red**.

1 MKVKVLSLLV PALLVAGAAN AAEIYNKDG N KLDLYGKVDG LHYFSDNDSK

51 DGDKTYMRLG FRGETQVTDD LTGYGQWEYQ IQGNEPESDN SSWTR**VAFAG**

101 **LKFQDVGSFD YGR**NYGVVYD VTSWTDVLE FGGDTYDSN FMQQR**GNGFA**

151 **TYR**NTDFFGL VDGLDFAVQY QGKNGSAHG GMTTNGRDDV FRQNGDGVGG

201 SITINYEGFG IGAAVSSSKR TWDQNNGLI GTGDR**AEITYT GGLK**YDANNI

251 YLAAQYTQTY NATRVGSLGW ANKAQNFEAV AQYQDFGLR PSLAYLQSKG

301 KNLGR**GYDDE DILK**YVDVGA TTYFN**KNMT YVDYK**TNLLD DNRFRDAGI

351 NTDDIVALGL 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
<a href="#">16</a>	96 - 102	353.3600	704.7054	704.4221	0.2833	0 24	2.4	1	1	R.VAFAGLK.F
<a href="#">41</a>	103 - 113	646.0900	1290.1654	1289.5677	0.5978	0 41	0.39	1	1	K.FQDVGSFDYGR.N
<a href="#">29</a>	146 - 153	443.3900	884.7654	884.4141	0.3514	0 15	1.4e+002	2	1	R.GNGFATYR.N
<a href="#">21</a>	236 - 244	470.4400	938.8654	938.4709	0.3945	0 31	3.4	1	1	R.AETITGGLK.Y
<a href="#">36</a>	306 - 314	534.4700	1066.9254	1066.4819	0.4436	0 53	0.016	1	U	R.GYDDEDLK.Y
<a href="#">27</a>	327 - 335	560.9900	1119.9654	1119.4906	0.4748	0 21	33	1	1	K.NMSTYVDYK.T
<a href="#">39</a>	327 - 335	568.9800	1135.9454	1135.4856	0.4599	0 13	2.2e+002	2	2	K.NMSTYVDYK.T + Oxidation (M)



RMS error 418 ppm

RMS error 418 ppm

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

Bacteria; 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)

PUBMED 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

source

1..364

/organism="Escherichia coli"

/isolate="05-983"

/db\_xref="taxon:562"

/country="Taiwan: Cheng-Kung University Hospital"

/note="multi-drug resistant"

Protein

1..364

/product="outer membrane protein C"

Region

12..342

/region\_name="Porin\_4"

/note="Gram-negative porin; pfam13609"

/db\_xref="CDD:290340"

Region

14..364

/region\_name="PRK10554"

/note="Outer membrane porin protein C; Provisional"

/db\_xref="CDD:182543"

Site

order(30,32,38,40,42,63,67,73,75,77,79,81,84,94,95,97,101,111,113,145,147,148,324,325,328,360,362,364)

/site\_type="other"

/note="trimer interface [polypeptide binding]"

/db\_xref="CDD:238208"

Site

order(37,58,95,126,145)

/site\_type="other"

/note="eyelet of channel"

/db\_xref="CDD:238208"

CDS

1..364

/gene="ompC"

/coded\_by="EU372011.1:1..1095"

/note="OmpC"

/transl\_table=11

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