


MASCOT Search Results
Protein View: gj|485811531**50S ribosomal protein L9 [Escherichia coli]**

Database: NCBIInr
Score: 134
Nominal mass (M_r): 15755
Calculated pI: 6.17

Taxonomy: [Escherichia coli](#)

This protein sequence matches the following other entries:

- [gj|476855620](#) from [Escherichia coli P0298942.14](#)

Sequence similarity is available as [an NCBI BLAST search of gj|485811531 against nr](#).

Search parameters

MS data file: 21.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: 15%

Matched peptides shown in **bold red**.

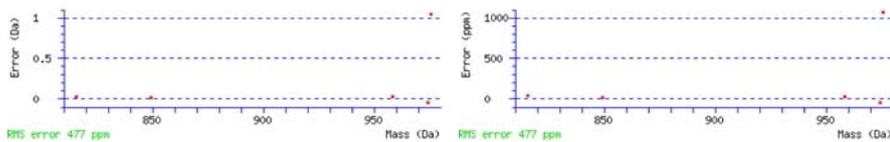
1 **MQVILLDK**VVA NLGSLGDQVN VKAGYARNFL VPQKAVPAT KKNIEPFPEAR
51 **RAELEAK**LAE VLAANNARAE KINALETVPI ASKAGDEGKL **FGSIGTR**DIA
101 DAVTAAGVEV AKSEVRLPNG VLRITGHEHEV SFQVHSEVFA KVIVNVVAE

Unformatted sequence string: **149 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
41	1 - 8	480.3000	958.5854	958.5521	0.0333	0	35	2.4	1	--MQVILLDK.V
42	1 - 8	488.2600	974.5054	974.5470	-0.0416	0	21	62	1	--MQVILLDK.V + Oxidation (M)
43	1 - 8	488.8000	975.5854	974.5470	1.0384	0	21	55	3	--MQVILLDK.V + Oxidation (M)
33	51 - 57	408.7500	815.4854	815.4501	0.0354	1	45	0.26	1	R.RAELEAK.L
35	90 - 97	425.7500	849.4854	849.4709	0.0146	0	54	0.024	1	U.K.LFGSIGTR.D



LOCUS WP_001431354 149 aa linear BCT 04-JAN-2014
DEFINITION 50S ribosomal protein L9 [Escherichia coli].
ACCESSION WP_001431354
VERSION WP_001431354.1
KEYWORDS RefSeq.
SOURCE Escherichia coli
ORGANISM Escherichia coli
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacterales;
Enterobacteriaceae; Escherichia.
COMMENT REFSEQ: This record represents a single, non-redundant, protein
sequence which may be annotated on many different RefSeq genomes
from the same, or different, species.
FEATURES
Location/Qualifiers
source 1..149
/organism="Escherichia coli"
/db_xref="taxon:562"
Protein 1..149
/product="50S ribosomal protein L9"
/calculated_mol_wt=15634
Region 1..149
/region_name="rplI"
/note="50S ribosomal protein L9; Reviewed; PRK00137"
/db_xref="CDD:234659"
Region 2..47
/region_name="Ribosomal L9 N"
/note="Ribosomal protein L9, N-terminal domain; pfam01281"
/db_xref="CDD:279605"
Region 63..148
/region_name="Ribosomal L9 C"
/note="Ribosomal protein L9, C-terminal domain; pfam03948"
/db_xref="CDD:281881"

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