



MASCOT Search Results

Protein View: gi|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:

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

Sequence similarity is available as [an NCBI BLAST search of gi|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**VANLGSLGDQVNVKAGYARNFLVPQGKAVPATKKNIEFFEAR

51 **RAELEAK**LAEVLAAANARAEKINALETVPIASKAGDEGKL**FGSIGTR**DIAD

101 DAVTAAGVEVAKSEVRLPNGVLRRTTGEHEVSFQVHSEVFAKVIVNVVAE

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





LOCUSWP_001431354149 aa linear BCT 04-JAN-2014

DEFINITION50S ribosomal protein L9 [Escherichia coli].

ACCESSIONWP_001431354

VERSIONWP_001431354.1

KEYWORDSRefSeq.

SOURCEEscherichia coli

ORGANISMEscherichia coli

Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacterales; Enterobacteriaceae; Escherichia.

COMMENTREFSEQ: 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

source1..149

/organism="Escherichia coli"

/db_xref="taxon:562"

Protein1..149

/product="50S ribosomal protein L9"

/calculated_mol_wt=15634

Region1..149

/region_name="rplI"

/note="50S ribosomal protein L9; Reviewed; PRK00137"

/db_xref="CDD:234659"

Region2..47

/region_name="Ribosomal_L9_N"

/note="Ribosomal protein L9, N-terminal domain; pfam01281"

/db_xref="CDD:279605"

Region63..148

/region_name="Ribosomal_L9_C"

/note="Ribosomal protein L9, C-terminal domain; pfam03948"

/db_xref="CDD:281881"

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