50s Ribosomal Protein L5P (rpl5p) Methanospirillum Hungatei Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L5P (rpl5p), Recombinant Protein
Full Product Name	Recombinant Methanospirillum hungatei 50S ribosomal protein L5P (rpl5p)
Product Gene Name	rpl5p recombinant protein
Product Synonym Gene Name	rpl5p
Sequence	MNPNRSVAVD KVVVHMGVGE AGDKLVNAER IISEITGNTP VRSVAKQTLP AFGIRKGAPI SCRVTLRGEA AEKFLETSIK IVENKINSRA FDKQGNFSFG IEEHTDYPGQ SYDPKVGIFG LDVTVVLKRN GVRIARRHIQ QKKLPLKQLV TVEDAKLFLK DRYNVEVQ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	18,671 Da
Sequence Positions	1-168, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q2FT38
Species	Methanospirillum hungatei (strain JF-1 / DSM 864)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpl5p recombinant protein	MBS1432768 is a recombinant protein targeting rpl5p. Also known as Recombinant Methanospirillum hungatei 50S ribosomal protein L5P (rpl5p). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpl5p recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for rpl5p. It may not necessarily be applicable to this product.

NCBI GI #	499768469
NCBI GeneID	3923942
NCBI Accession #	WP_011449203.1
UniProt Primary Accession #	Q2FT38
UniProt Related Accession #	Q2FT38
GenBank Nucleotide #	WP_011449203.1

NCBI Official Full Name	50S ribosomal protein L5
NCBI Official Symbol	MHUN_RS11645
UniProt Protein Name	50S ribosomal protein L5
UniProt Gene Name	rpl5
NCBI Protein Information	50S ribosomal protein L5
UniProt Comments for rpl5p	This is 1 of the proteins that binds and probably mediates the attachment of the 5S RNA into the large ribosomal subunit, where it forms part of the central protuberance. In the 70S ribosome it contacts protein S13 of the 30S subunit (bridge B1b), connecting the 2 subunits; this bridge is implicated in subunit movement. May contact the P site tRNA; the 5S rRNA and some of its associated proteins might help stabilize positioning of ribosome-bound tRNAs.
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