50s Ribosomal Protein L5 (rplE) Desulfotalea Psychrophila Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L5 (rplE), Recombinant Protein
Full Product Name	Recombinant Desulfotalea psychrophila 50S ribosomal protein L5 (rplE)
Product Gene Name	rplE recombinant protein
Product Synonym Gene Name	rplE
Sequence	MSALKEYYTN ECVPALKDQL GYTNPMQIPK IEKIVLNMGL GEAVQNPKIV EGAAEELTKI AGQRAVVTKA KKSIATFKLR EGMPIGCRVT LRGEKMYDFL SKLVNIALPR VRDFRGVSPK GFDGRGNYSM GIQEQIIFPE IDYDKIDKIK GFNITIVTSA KTNDEGRSLL RLMGMPFKK
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	20,005 Da
Sequence Positions	1-179, 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 Q6AP59
Species	Desulfotalea psychrophila (strain LSv54 / DSM 12343)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rplE recombinant protein	MBS1457122 is a recombinant protein targeting rplE. Also known as Recombinant Desulfotalea psychrophila 50S ribosomal protein L5 (rplE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rplE 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 rplE. It may not necessarily be applicable to this product.

NCBI GI #	499501739
NCBI Accession #	WP_011188379.1
UniProt Primary Accession #	Q6AP59
GenBank Nucleotide #	WP_011188379.1
NCBI Official Full Name	50S ribosomal protein L5
UniProt Protein Name	50S ribosomal protein L5

Protein Family	50S ribosomal protein
UniProt Gene Name	rplE
UniProt Comments for rplE	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. Contacts the P site tRNA; the 5S rRNA and some of its associated proteins might help stabilize positioning of ribosome-bound tRNAs.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/50s-ribosomal-protein-l5-rple/1457122