50s Ribosomal Protein L5 (rplE) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L5 (rplE), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus 50S ribosomal protein L5 (rplE)
Product Gene Name	rplE recombinant protein
Product Synonym Gene Name	rplE
Sequence	MSLKTKYRDI IVPKLMKEFG YTNIHQVPKV VKVTINRGLG EGAQNAKALE SSLAEIAKIA GQKPVVTRAK KAIAGFKIRA GMPVGLMVTL RGDRRDAFLE RLINLSLPRI RDFRGISPRS FDGRGNYTLG LREQLIFPEI TYDSIDQIRG MDITIVTSAN SDEEGRALLR ELGMPFREN
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	20,016 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 Q31L19
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rplE recombinant protein	MBS1354191 is a recombinant protein targeting rplE. Also known as Recombinant Synechococcus elongatus 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 #	499563404
NCBI Accession #	WP_011244187.1
UniProt Primary Accession #	Q31L19
GenBank Nucleotide #	WP_011244187.1
NCBI Official Full Name	MULTISPECIES: 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.
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