50s Ribosomal Protein L2 (rplB) Prochlorococcus Marinus Subsp. Pastoris Recombinant Protein

PRODUCT OVERVIEW

Product Name	50S ribosomal protein L2 (rplB), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus subsp. pastoris 50S ribosomal protein L2 (rplB)
Product Gene Name	rplB recombinant protein
Product Synonym Gene Name	rplB
Sequence	MAIRKFKPYT PGTRQRVVTD FSEITGSKPE RSLIVSKHRN KGRNNRGVIT CRHRGGGHKR QYRLVDFRRD KKNINAKVAA IHYDPHRNAR LALLFYEDGE KRYIIAPAGI KVGQNVISGE GVPIEEGNAM PLSSMPLGSN VHCVELYAGR GAQMVRSAGA SAQLMAKEGE YVALKLPSTE VRLVRKECYA TLGEVGNSEI RNTSLGKAGR RRWLGRRPQV RGSVMNPCDH PHGGGEGKAP IGRAGPVTPW GKAALGLKTR KKNKPSNKLV VRRRRRISKR SRGGRDS
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	31,756 Da
Sequence Positions	1-287, 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 Q7UZV0
Species	Prochlorococcus marinus subsp. pastoris (strain CCMP1986 / MED4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rplB recombinant protein	MBS1425431 is a recombinant protein targeting rplB. Also known as Recombinant Prochlorococcus marinus subsp. pastoris 50S ribosomal protein L2 (rplB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rplB 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 rplB. It may not necessarily be applicable to this product.

NCBI GI #	499445719
NCBI Accession #	WP_011133183.1
UniProt Primary Accession #	Q7UZV0
GenBank Nucleotide #	WP_011133183.1

NCBI Official Full Name	50S ribosomal protein L2
UniProt Protein Name	50S ribosomal protein L2
Protein Family	50S ribosomal protein
UniProt Gene Name	rplB
UniProt Comments for rplB	One of the primary rRNA binding proteins. Required for association of the 30S and 50S subunits to form the 70S ribosome, for tRNA binding and peptide bond formation. It has been suggested to have peptidyltransferase activity; this is somewhat controversial. Makes several contacts with the 16S rRNA in the 70S ribosome.
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