30s Ribosomal Protein S13 (rpsM) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	30S ribosomal protein S13 (rpsM), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. 30S ribosomal protein S13 (rpsM)
Product Gene Name	rpsM recombinant protein
Product Synonym Gene Name	rpsM
Sequence	MARIAGVDIP RDKRIEVSLT YIYGVGLTRS QAILAKTGVN PDIRVKDLED GDLQKLRGAL ENYTVEGDLR RQEGMALKRL QDIGCLRGRR HRMSLPVRGQ RTRTNARTRR GARKTVAGKK K
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	13,654 Da
Sequence Positions	1-121, 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 Q3AMQ1
Species	Synechococcus sp. (strain CC9605)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpsM recombinant protein	MBS1334233 is a recombinant protein targeting rpsM. Also known as Recombinant Synechococcus sp. 30S ribosomal protein S13 (rpsM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpsM 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 rpsM. It may not necessarily be applicable to this product.

NCBI GI #	499682641
NCBI Accession #	WP_011363375.1
UniProt Primary Accession #	Q3AMQ1
GenBank Nucleotide #	WP_011363375.1
NCBI Official Full Name	30S ribosomal protein S13
UniProt Protein Name	30S ribosomal protein S13

Protein Family	30S ribosomal protein
UniProt Gene Name	rpsM
UniProt Comments for rpsM	Located at the top of the head of the 30S subunit, it contacts several helices of the 16S rRNA. In the 70S ribosome it contacts the 23S rRNA (bridge B1a) and protein L5 of the 50S subunit (bridge B1b), connecting the 2 subunits; these bridges are implicated in subunit movement. Contacts the tRNAs in the A and P-sites.
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