30s Ribosomal Protein S7 (rpsG) Geobacillus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	30S ribosomal protein S7 (rpsG), Recombinant Protein
Full Product Name	Recombinant Geobacillus sp. 30S ribosomal protein S7 (rpsG)
Product Gene Name	rpsG recombinant protein
Sequence	MPRRGPVPKR DVLPDPIYNS KLVTRLINKI MIDGKKGKAQ KILYTAFDII RERTGKDPME VFEQALKNVM PVLEVRARRV GGANYQVPVE VRPDRRVTLG LRWLVQYARL RGERTMEERL ANEIMDAANN TGAAVKKRED THKMAEANKA FAHYRW
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	18,027 Da
Sequence Positions	1-156, Full length
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 C5D3R3
Species	Geobacillus sp. (strain WCH70)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rpsG recombinant protein	MBS1160982 is a recombinant protein targeting rpsG. Also known as Recombinant Geobacillus sp. 30S ribosomal protein S7 (rpsG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rpsG 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 rpsG. It may not necessarily be applicable to this product.

NCBI GI #	502274855
NCBI Accession #	WP_012748881.1
UniProt Primary Accession #	C5D3R3
GenBank Nucleotide #	WP_012748881.1
NCBI Official Full Name	MULTISPECIES: 30S ribosomal protein S7
UniProt Protein Name	30S ribosomal protein S7
Protein Family	30S ribosomal protein

UniProt Gene Name	rpsG
UniProt Comments for rpsG	One of the primary rRNA binding proteins, it binds directly to 16S rRNA where it nucleates assembly of the head domain of the 30S subunit. Is located at the subunit interface close to the decoding center, probably blocks exit of the E-site tRNA.
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