Ribosomal RNA Small Subunit Methyltransferase G (rsmG) Petrotoga Mobilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosomal RNA small subunit methyltransferase G (rsmG), Recombinant Protein
Full Product Name	Recombinant Petrotoga mobilis Ribosomal RNA small subunit methyltransferase G (rsmG)
Product Gene Name	rsmG recombinant protein
Sequence	MKESDEKAEK INKYIEMLIN YPVNLTAYTT KKDAYENLIL DSLIPIEAED TFLNSKNIVD IGTGGGIPGL VWAIYFPEKE FYLVDSVSKK IEALKIFIKE LKITNVYLFC ERAEDFAKTH RDYFDFATCK ALARSDIALE YLSPLVKVNS YISLFKGPSY YTNEMKYTQN VLKKLNIAEF KEIDYEIGED KKKRYMILFK KIGITPQNFP RQVGIPKKFP LGEIK
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	26,067 Da
Sequence Positions	1-225, 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 A9BF05
Species	Petrotoga mobilis (strain DSM 10674 / SJ95)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rsmG recombinant protein	MBS1248624 is a recombinant protein targeting rsmG. Also known as Recombinant Petrotoga mobilis Ribosomal RNA small subunit methyltransferase G (rsmG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rsmG 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 rsmG. It may not necessarily be applicable to this product.

NCBI GI #	501163909
NCBI Accession #	WP_012208176.1
UniProt Primary Accession #	A9BF05
GenBank Nucleotide #	WP_012208176.1
NCBI Official Full Name	16S rRNA methyltransferase

UniProt Protein Name	Ribosomal RNA small subunit methyltransferase G
UniProt Synonym Protein Names	16S rRNA 7-methylguanosine methyltransferase
Protein Family	Ribosomal RNA small subunit methyltransferase
UniProt Gene Name	rsmG
UniProt Synonym Gene Names	16S rRNA m7G methyltransferase
UniProt Comments for rsmG	Specifically methylates the N7 position of a guanine in 16S rRNA.
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.
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