Ribosomal RNA Small Subunit Methyltransferase F (rsmF) Shewanella Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosomal RNA small subunit methyltransferase F (rsmF), Recombinant Protein
Full Product Name	Recombinant Shewanella sp. Ribosomal RNA small subunit methyltransferase F (rsmF)
Product Gene Name	rsmF recombinant protein
Product Synonym Gene Name	rsmF
Sequence	MVQLNQNFIN TIAQELPAHL SMDDFIAACS RPLRRSIRVN TLKISSEDFK QLMQPKGWTF DPIPWCEDGF WISYDEEEQL GNALEHIQGL FYIQEASSML PPTALFTPNA DWQCVLDLAS APGSKTTQMA ALMNNQGLLV ANEYSASRVK VLHANVLRMG ASHCALTHFD GRVFGEYLYE SFDAVLIDAP CGGEGIVRKD ADALKSWSLD EVLEISETQK ALIESAFLAL KPGGSLVYST CTLNRHENQG VCEYLQQTYG DAVQFESLNQ LFDGAEKATT PEGFLHVWPQ IYDSEGFFVA KLTKTRSVPR LQPEPKLQKN FPFTEASAKQ AKAIQAYFAD DLGIELPDDL IMVRDDEFWL FPHEFRDFIG KMRFQRIGVK LADHSKHGFK VRHEAIIALA GKALTAATNG AKVVDVSDEQ AKEYLMGRDI PLDTAGKAQG EVIVCYGGAP LGMAKHLGNK LKNSLPRDLV KDKVLLLPPQ A
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	53,461 Da
Sequence Positions	1-481, 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 Q0HJM6
Species	Shewanella sp. (strain MR-4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rsmF recombinant protein	MBS1309974 is a recombinant protein targeting rsmF. Also known as Recombinant Shewanella sp. Ribosomal RNA small subunit methyltransferase F (rsmF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rsmF 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 rsmF. It may not necessarily be applicable to this product.

NCBI GI #	752761905
NCBI Accession #	WP_041409023.1
UniProt Primary Accession #	Q0HJM6

GenBank Nucleotide #	WP_041409023.1
NCBI Official Full Name	ribosomal RNA small subunit methyltransferase F
UniProt Protein Name	Ribosomal RNA small subunit methyltransferase F
UniProt Synonym Protein Names	16S rRNA m5C1407 methyltransferase
Protein Family	Putative ribosomal RNA small subunit methyltransferase
UniProt Gene Name	rsmF
UniProt Comments for rsmF	Specifically methylates the cytosine at position 1407 (m5C1407) of 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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