Ribosome Maturation Factor Rimm (rimM) Shewanella Loihica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosome maturation factor RimM (rimM), Recombinant Protein
Full Product Name	Recombinant Shewanella loihica Ribosome maturation factor RimM (rimM)
Product Gene Name	rimM recombinant protein
Sequence	MSSHQEPVVL GKLGASHGIK GWLKITSYTD SVEDIFDYSP WLIKEQGEWR EVKVAQWRYQ GKAIIAALEG VTTRDQAQML TNCEIAIPAE AMKALPEDEF YWRDLIGCEV VNTKGYKMGK VDQIVETGSN DVLLVKANAK DGFGKTERMI PFVTEQFILE VNLAEKQILV DWDPDF
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	19,914 Da
Sequence Positions	1-176, 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 A3QBT7
Species	Shewanella loihica (strain BAA-1088 / PV-4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rimM recombinant protein	MBS1230032 is a recombinant protein targeting rimM. Also known as Recombinant Shewanella loihica Ribosome maturation factor RimM (rimM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rimM 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 rimM. It may not necessarily be applicable to this product.

NCBI GI #	500191661
NCBI Accession #	WP_011864868.1
UniProt Primary Accession #	A3QBT7
GenBank Nucleotide #	WP_011864868.1
NCBI Official Full Name	ribosome maturation factor RimM
UniProt Protein Name	Ribosome maturation factor RimM
Protein Family	Probable 16S rRNA-processing protein

UniProt Gene Name	rimM
UniProt Comments for rimM	An accessory protein needed during the final step in the assembly of 30S ribosomal subunit, possibly for assembly of the head region. Probably interacts with S19. Essential for efficient processing of 16S rRNA. May be needed both before and after RbfA during the maturation of 16S rRNA. It has affinity for free ribosomal 30S subunits but not for 70S ribosomes.
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