Ribosomal Protein S12 Methylthiotransferase Rimo (rimO) Thermoanaerobacter Tengcongensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosomal protein S12 methylthiotransferase RimO (rimO), Recombinant Protein
Full Product Name	Recombinant Thermoanaerobacter tengcongensis Ribosomal protein S12 methylthiotransferase RimO (rimO)
Product Gene Name	rimO recombinant protein
Product Synonym Gene Name	rimO; TTE1377
Product Synonym Names	Ribosomal protein S12 methylthiotransferase RimO; S12 MTTase; S12 methylthiotransferase; EC=2.-.-.-; Ribosome maturation factor RimO
Sequence	MRNVGIISLG CPKNSVDSEK MLALLKEKGY NIVNDEKKAD VIIINTCAFI EDAKKESIEY IIQMGELKKK RLKYLIATGC LSERYNKELI KELPELDAVI GTGDFTQIVD VIEEVKKGKK VLKYGHPDLL NDEGIPRILT TPPYYAYLKI AEGCSNACSF CIIPKLRGKY KSRKMENIIE EAQELARKGV KELIIIAQDT TKYGIDLYKK LMLPQLLREL SKIEELKWIR LLYAYPDSVT DELIEEIKNN QKIVKYIDIP LQHSSESVLK RMNRGTTRRK IEEVISKLRS IPGMVMRTTF MVGFPGETEE EFEDLKNFIK EKRFERVGVF TYSREEGTKS YYMKPQIRKK VKLKRQEELM EIQKQISYEF NMSKIGTKLE VLIEGFEDGV YYGRSYMDAP EIDGLVYVRS DKKLFPGDFV TVTVVDAFEY DLVGEY
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	50,470 Da
Sequence Positions	1-436aa; 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 Q8RA52
Species	Thermoanaerobacter tengcongensis (strain DSM 15242 / JCM 11007 / NBRC 100824 / MB4) (Caldanaerobacter subterraneus subsp. tengcongensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rimO recombinant protein	MBS1348479 is a recombinant protein targeting rimO. Also known as Recombinant Thermoanaerobacter tengcongensis Ribosomal protein S12 methylthiotransferase RimO (rimO). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rimO 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 rimO. It may not necessarily be applicable to this product.

NCBI GI #	20807824
NCBI GeneID	995462
NCBI Accession #	NP_622995.1
UniProt Primary Accession #	Q8RA52
UniProt Related Accession #	Q8RA52
GenBank Nucleotide #	NC_003869.1
NCBI Official Full Name	2-methylthioadenine synthetase
NCBI Official Symbol	MiaB3
UniProt Protein Name	Ribosomal protein S12 methylthiotransferase RimO
UniProt Synonym Protein Names	Ribosome maturation factor RimO
Protein Family	Ribosomal protein S12 methylthiotransferase
UniProt Gene Name	rimO
UniProt Synonym Gene Names	S12 MTTase; S12 methylthiotransferase
UniProt Entry Name	RIMO_THETN
NCBI Protein Information	2-methylthioadenine synthetase
UniProt Comments for rimO	Catalyzes the methylthiolation of an aspartic acid residue of ribosomal protein S12.
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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