Trna Modification Gtpase Mnme (mnmE) Silicibacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA modification GTPase MnmE (mnmE), Recombinant Protein
Full Product Name	Recombinant Silicibacter sp. tRNA modification GTPase MnmE (mnmE)
Product Gene Name	mnmE recombinant protein
Product Synonym Gene Name	mnmE
Sequence	METIFALATA QGKAGVAVIR VSGPHAIEIG EKLTRRTLPA RGMIFSKLKD SAGEILDEAL VLSFTSPDSF TGENIVEFQL HGSIAVVSAV MSAIEETGVA RLADPGEFTR RALDNGKLDL TQVEGLADLI DAETEAQRKQ AQVILAGTLG DLADRWRTDL IRAASLIEVT IDFADEEVPV DVTPEVKQLL SGVLHDIEKE VDGVAIAERI REGFEVAIVG SPNVGKSTLL NALAGRTAAI TSEYAGTTRD VIEVRMDLAG LPVTLLDTAG LRETDDHVEG IGIRLAQERA ERADIRVFLA EEDESFSIQM REGDLRLLPK ADERRSAKGA ISGRTGQGVD DLVSRISDTL RNRTAHDGIA TRARHRETMN RAVLSLRQAI EVVEQGPEFY DLAAEDMRSA IRALELLVGR INVENLLDEI FSSFCLGK
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	46,401 Da
Sequence Positions	1-428, 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 Q1GCM0
Species	Silicibacter sp. (strain TM1040)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnmE recombinant protein	MBS1352823 is a recombinant protein targeting mnmE. Also known as Recombinant Silicibacter sp. tRNA modification GTPase MnmE (mnmE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mnmE 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 mnmE. It may not necessarily be applicable to this product.

NCBI GI #	499859443
NCBI Accession #	WP_011540177.1
UniProt Primary Accession #	Q1GCM0
GenBank Nucleotide #	WP_011540177.1

NCBI Official Full Name	tRNA uridine-5-carboxymethylaminomethyl(34) synthesis GTPase MnmE
UniProt Protein Name	tRNA modification GTPase MnmE
Protein Family	Probable tRNA modification GTPase
UniProt Gene Name	mnmE
UniProt Comments for mnmE	Exhibits a very high intrinsic GTPase hydrolysis rate. Involved in the addition of a carboxymethylaminomethyl (cmnm) group at the wobble position (U34) of certain tRNAs, forming tRNA-cmnm5s2U34.
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