Trna Modification Gtpase Mnme (mnmE) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA modification GTPase MnmE (mnmE), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus tRNA modification GTPase MnmE (mnmE)
Product Gene Name	mnmE recombinant protein
Sequence	MDLDTITSIS TPMGEGAIGI VRLSGPQAVE IADKLYKGKH LLNDVPSHTI NYGHIIDPES KEVIEEVMVS VLRAPKTFTR EDIIEINCHG GILTINRVLE LTMTYGARMA EPGEFTKRAF LNGRIDLSQA EAVMDFIRSK TDRASKVAMN QIEGRLSDLI KKQRQSILEI LAQVEVNIDY PEYDDVEDAT TEFLLEQSKE IKQEINRLLD TGAQGKIMRE GLSTVIVGKP NVGKSSMLNN LIQDNKAIVT EVAGTTRDVL EEYVNVRGVP LRLVDTAGIR ETEDIVEKIG VERSRKALSQ ADLILFVLNN NEALTQEDYT LYEVVKNEDV IVIVNKMDLE QNIDINEVKD MIGDTPLIQT SMLKQEGIDE LEIQIRDLFF GGEVQNQDMT YVSNSRHISL LKQARQTIQD AIDAAESGVP MDMVQIDLTR TWEILGEIIG ETASDELIDQ LFSQFCLGK
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	51,356 Da
Sequence Positions	1-459, 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 A8YYS1
Species	Staphylococcus aureus (strain USA300 / TCH1516)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnmE recombinant protein	MBS1243986 is a recombinant protein targeting mnmE. Also known as Recombinant Staphylococcus aureus 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 #	446284648
NCBI Accession #	WP_000362503.1
UniProt Primary Accession #	A8YYS1
GenBank Nucleotide #	WP_000362503.1
NCBI Official Full Name	MULTISPECIES: 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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