Trna Modification Gtpase Mnme (mnmE) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA modification GTPase MnmE (mnmE), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis tRNA modification GTPase MnmE (mnmE)
Product Gene Name	mnmE recombinant protein
Product Synonym Gene Name	mnmE
Sequence	MTTDTIVAQA TAPGRGGVGI IRISGDKATN VAMAVLGHLP KPRYADYCYF KSASGQVIDQ GIALFFKGPN SFTGEDVLEL QGHGGQIVLD MLIKRVLEVE GIRIAKPGEF SEQAFMNDKL DLTQAEAIAD LIDATSEQAA KSALQSLQGE FSKEVHELVD QVTHLRLYVE AAIDFPDEEV DFLSDGKIAN ALYKIIDKLI AVQASAKQGS IIREGMKVVI AGRPNAGKSS LLNALAGKES AIVTEIAGTT RDVLREHIHL DGMPLHIIDT AGLRDTTDTV EQIGIERAWN EINSADRVLF MVDGTTTTAV DPHDIWPDFI NRLPTNLGVT VIRNKADLTG ENLEMTEEKG YSVYRISAKT GLGVDELKQH LKSLMGYQSN LEGGFIARRR HLEALEIAAS HLQLGKEQLE VYLAGELLAE ELRMAQLALS EITGRFTSDD LLGKIFSSFC IGK
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	49,302 Da
Sequence Positions	1-453, 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 Q8CX52
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnmE recombinant protein	MBS1388337 is a recombinant protein targeting mnmE. Also known as Recombinant Shewanella oneidensis 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 #	414561717
NCBI GeneID	1167901
NCBI Accession #	NP_715645.2
UniProt Primary Accession #	Q8CX52

UniProt Related Accession #	Q8CX52
GenBank Nucleotide #	NC_004347.2
NCBI Official Full Name	tRNA uridine 5-carboxymethylaminomethyl modification system GTPase subunit MnmE
NCBI Official Symbol	mnmE
UniProt Protein Name	tRNA modification GTPase MnmE
Protein Family	Probable tRNA modification GTPase
UniProt Gene Name	mnmE
NCBI Protein Information	tRNA uridine 5-carboxymethylaminomethyl modification system GTPase subunit 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.
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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