Trna Uridine 5-Carboxymethylaminomethyl Modification Enzyme Mnmg (mnmG) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG (mnmG), Recombinant Protein
Full Product Name	Recombinant Escherichia coli tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG (mnmG)
Product Gene Name	mnmG recombinant protein
Sequence	MFYPDPFDVI IIGGGHAGTE AAMAAARMGQ QTLLLTHNID TLGQMSCNPA IGGIGKGHLV KEVDALGGLM AKAIDQAGIQ FRILNASKGP AVRATRAQAD RVLYRQAVRT ALENQPNLMI FQQAVEDLIV ENDRVVGAVT QMGLKFRAKA VVLTVGTFLD GKIHIGLDNY SGGRAGDPPS IPLSRRLREL PLRVGRLKTG TPPRIDARTI DFSVLAQQHG DNPMPVFSFM GNASQHPQQV PCYITHTNEK THDVIRSNLD RSPMYAGVIE GVGPRYCPSI EDKVMRFADR NQHQIFLEPE GLTSNEIYPN GISTSLPFDV QMQIVRSMQG MENAKIVRPG YAIEYDFFDP RDLKPTLESK FIQGLFFAGQ INGTTGYEEA AAQGLLAGLN AARLSADKEG WAPARSQAYL GVLVDDLCTL GTKEPYRMFT SRAEYRLMLR EDNADLRLTE IGRELGLVDD ERWARFNEKL ENIERERQRL KSTWVTPSAE AAAEVNAHLT APLSREASGE DLLRRPEMTY EKLTTLTPFA PALTDEQAAE QVEIQVKYEG YIARQQDEIE KQLRNENTLL PATLDYRQVS GLSNEVIAKL NDHKPASIGQ ASRISGVTPA AISILLVWLK KQGMLRRSA
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	69,521 Da
Sequence Positions	1-629, 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 B1IWZ7
Species	Escherichia coli (strain 8739 / DSM 1576 / Crooks)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnmG recombinant protein	MBS1239181 is a recombinant protein targeting mnmG. Also known as Recombinant Escherichia coli tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG (mnmG). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mnmG 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 mnmG. It may not necessarily be applicable to this product.

NCBI GI #	446421933
NCBI Accession #	WP_000499788.1

UniProt Primary Accession #	B1IWZ7
GenBank Nucleotide #	WP_000499788.1
NCBI Official Full Name	MULTISPECIES: tRNA uridine(34) 5-carboxymethylaminomethyl synthesis enzyme MnmG
UniProt Protein Name	tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG
UniProt Synonym Protein Names	Glucose-inhibited division protein A
Protein Family	tRNA uridine 5-carboxymethylaminomethyl modification enzyme
UniProt Gene Name	mnmG
UniProt Comments for mnmG	NAD-binding protein 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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