# Trna Uridine 5-Carboxymethylaminomethyl Modification Enzyme Mnmg (mnmG) Bacteroides Vulgatus Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG (mnmG), Recombinant Protein |
| **Full Product Name** | Recombinant Bacteroides vulgatus tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG (mnmG), partial |
| **Product Gene Name** | mnmG recombinant protein |
| **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** | 69,611 Da |
| **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 A6KZP0 |
| **Species** | Bacteroides vulgatus (strain 8482 / DSM 1447 / 11154) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for mnmG recombinant protein** | MBS1225810 is a recombinant protein targeting mnmG. Also known as Recombinant Bacteroides vulgatus tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG (mnmG), partial. 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.

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| **NCBI GI #** | 492439106 |
| **NCBI Accession #** | WP_005843914.1 |
| **UniProt Primary Accession #** | A6KZP0 |
| **GenBank Nucleotide #** | WP_005843914.1 |
| **NCBI Official Full Name** | tRNA uridine-5-carboxymethylaminomethyl(34) 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 |

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| **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. |
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