Trna-Specific 2-Thiouridylase Mnma (mnmA) Lactobacillus Reuteri Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA-specific 2-thiouridylase mnmA (mnmA), Recombinant Protein
Full Product Name	Recombinant Lactobacillus reuteri tRNA-specific 2-thiouridylase mnmA (mnmA)
Product Gene Name	mnmA recombinant protein
Sequence	MADNSHTRVV VGMSGGVDSS VTALLLKRQG YDVVGVFMKN WDDTDENGVC TATEDYKDVA KVASKIGIPY YSVNFEKEYW DRVFKYFIAE YKKGRTPNPD VICNKEIKFK AFIEYANQLG ADYVATGHYA DVKRDENGRM HLMRAKDQHK DQTYFLSQLD YKQLDKVMFP LAGYTKPEIR KIAEEAGLAT ADKKDSVGIC FIGEDGHFRE FLSQYIPAQP GNMETLDGKV VGQHMGLMYY TIGQRRGLGL GGNKESNEPW FVIGKDMKKN VLYVGQGYEN SHLYATHLEA SDIHWVDDVV SRYGRDFHCT AKFRYRQTDV GVTVHLSDDD QMVTVEFDDP ARAITPGQAV VFYDGEECLG SAIIDRAYSH DRQLQYV
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	42,769 Da
Sequence Positions	1-377, 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 A5VJ48
Species	Lactobacillus reuteri (strain DSM 20016)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnmA recombinant protein	MBS1238094 is a recombinant protein targeting mnmA. Also known as Recombinant Lactobacillus reuteri tRNA-specific 2-thiouridylase mnmA (mnmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mnmA 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 mnmA. It may not necessarily be applicable to this product.

NCBI GI #	489764374
NCBI Accession #	WP_003668307.1
UniProt Primary Accession #	A5VJ48
GenBank Nucleotide #	WP_003668307.1
NCBI Official Full Name	tRNA 2-thiouridine(34) synthase MnmA

UniProt Protein Name	tRNA-specific 2-thiouridylase MnmA
Protein Family	tRNA-specific 2-thiouridylase
UniProt Gene Name	mnmA
UniProt Comments for mnmA	Catalyzes the 2-thiolation of uridine at the wobble position (U34) of tRNA, leading to the formation of s2U34.
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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