Trna-Specific 2-Thiouridylase Mnma (mnmA) Gluconacetobacter Diazotrophicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA-specific 2-thiouridylase mnmA (mnmA), Recombinant Protein
Full Product Name	Recombinant Gluconacetobacter diazotrophicus tRNA-specific 2-thiouridylase mnmA (mnmA)
Product Gene Name	mnmA recombinant protein
Sequence	MRIMVAMSGG VDSSVVAARL VAEGHEVVGA TLQLYDSRES ARKGACCAGR DIHDARRVAD RLGIPHYVID AETRFRQSVI ETFADAYAGG ETPVPCVACN QGVKFTDLLG IARDLGAEAM ATGHYVRRIE GPDGAELHRP VDEGRDQSWF LFATTRQQLE FLRFPLGDMP DKAAVRAEAE RFGLSVAAKP DSQDLCFVPD GSYARVVEAL RPEMAGEGEI VDGSGRVVGR HDGVTRFTVG QSRRLGDAAM RDGARQMVVG IDPASRRVVI GPRTGSAVRD LSLRDMNWLI DPPEGDLRCL VQIRAREAAR PATVRRTADG ASVTLDEAAM PAPGQACVLY DGSRVLGGGF IRRREMAGAA A
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	38,803 Da
Sequence Positions	1-361, 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 A9HMI3
Species	Gluconacetobacter diazotrophicus (strain 49037 / DSM 5601 / PAl5)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnmA recombinant protein	MBS1237166 is a recombinant protein targeting mnmA. Also known as Recombinant Gluconacetobacter diazotrophicus 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 #	501183222
NCBI Accession #	WP_012226311.1
UniProt Primary Accession #	A9HMI3
UniProt Secondary Accession #	B5ZDS2

GenBank Nucleotide #	WP_012226311.1
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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