Trna Dimethylallyltransferase (miaA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA dimethylallyltransferase (miaA), Recombinant Protein
Full Product Name	Recombinant Leptospira interrogans serogroup Icterohaemorrhagiae serovar Lai tRNA dimethylallyltransferase (miaA)
Product Gene Name	miaA recombinant protein
Product Synonym Gene Name	miaA
Sequence	MTFPILILAA PTGAGKTSLI TELDPTRFEI LSFDSRQIYR EMPIGTAAPT KEQQSKIRHH LVEVLSPKES IDAGLYNRMA EEALQKVLNT DKIPVFTAGT GFYLKAFLFG MFPVPEISVS VRERVLSMSI EEKKVLLNDL DPEALDKIFS GDDYRLGRAL EVNLMGEKWS RLKIDPNTSA IYKYNLEIRL GIFLDLDRKE LYERINLRAK RMIDLGMADE AWEIRERYGE SCPGLKSLGY NFALENKKGN SNVETFLVDL SQSHRNYAKR QITWFRKENY IQAMDRSEAL ERIKHIK
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	34,189 Da
Sequence Positions	1-297, 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 Q8CXT5
Species	Leptospira interrogans serogroup Icterohaemorrhagiae serovar Lai (strain 56601)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for miaA recombinant protein	MBS1337831 is a recombinant protein targeting miaA. Also known as Recombinant Leptospira interrogans serogroup Icterohaemorrhagiae serovar Lai tRNA dimethylallyltransferase (miaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of miaA 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 miaA. It may not necessarily be applicable to this product.

NCBI GI #	24214216
NCBI GeneID	1150859
NCBI Accession #	NP_711697.1
UniProt Primary Accession #	Q8CXT5

UniProt Related Accession #	Q8CXT5
GenBank Nucleotide #	NC_004342.2
NCBI Official Full Name	tRNA isopentenyltransferase
NCBI Official Symbol	miaA
UniProt Protein Name	tRNA dimethylallyltransferase
UniProt Synonym Protein Names	Dimethylallyl diphosphate:tRNA dimethylallyltransferase
Protein Family	tRNA dimethylallyltransferase
UniProt Gene Name	miaA
UniProt Synonym Gene Names	DMAPP:tRNA dimethylallyltransferase; DMATase; IPP transferase; IPPT; IPTase
NCBI Protein Information	tRNA isopentenyltransferase
UniProt Comments for miaA	Catalyzes the transfer of a dimethylallyl group onto the adenine at position 37 in tRNAs that read codons beginning with uridine, leading to the formation of N6-(dimethylallyl)adenosine (i6A).
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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