Trna Dimethylallyltransferase (miaA) Pseudomonas Putida Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA dimethylallyltransferase (miaA), Recombinant Protein
Full Product Name	Recombinant Pseudomonas putida tRNA dimethylallyltransferase (miaA)
Product Gene Name	miaA recombinant protein
Product Synonym Gene Name	miaA
Sequence	MSGKPPAIFL MGPTAAGKTD LAIELTTVLP CELISVDSAL VYRGMDIGSA KPSKEVLAAH PHRLIDILDP AQSYSAAQFR ADALEAMAEI TARGKIPLLV GGTMLYYKAL IDGLADMPAA DATVRAELEA QAEALGLAEL HRQLAEVDPE SAARIHPNDP QRLIRALEVY RVSGESMTAH RRRQFAESRG ADAGAGGHLP YTVASLAIAP TDRHILHQRI ALRFSQMLEQ GFVDEVRSLR ARSDLHAGLP SIRAVGYRQV WDYLDGKLTE NEMRERGIIA TRQLAKRQFT WLRGWPEVHW LDSLACDNLS RTLKYLGAIS ILS
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	35,448 Da
Sequence Positions	1-323, 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 Q88DD2
Species	Pseudomonas putida (strain KT2440)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for miaA recombinant protein	MBS1453980 is a recombinant protein targeting miaA. Also known as Recombinant Pseudomonas putida 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 #	26991573
NCBI GeneID	1044229
NCBI Accession #	NP_746998.1
UniProt Primary Accession #	Q88DD2
UniProt Related Accession #	Q88DD2

GenBank Nucleotide #	NC_002947.4
NCBI Official Full Name	tRNA (adenosine(37)-N6)-dimethylallyltransferase MiaA
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 (adenosine(37)-N6)-dimethylallyltransferase MiaA
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).
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