Trna Dimethylallyltransferase 2 (miaA2) Bacteroides Thetaiotaomicron Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA dimethylallyltransferase 2 (miaA2), Recombinant Protein
Full Product Name	Recombinant Bacteroides thetaiotaomicron tRNA dimethylallyltransferase 2 (miaA2)
Product Gene Name	miaA2 recombinant protein
Product Synonym Gene Name	miaA2
Sequence	MPDYDLITIL GPTASGKTPF AAALAHELNT EIISADSRQI YRGMDLGTGK DLADYTVDGH PIPYHLIDIA DPGYKYNVFE YQRDFLISYE SIKQKGCLPV LCGGTGMYLE SVLKGYKLMP VPENPELRAR LANHSLEELT EILKQYKTLH NSTDVDTVKR AIRAIEIEEY YAVHPVPERE FPKLNSLIIG VDIDRELRRE KITRRLKQRL DEGMVDEVRR LTEQGISPDD LIYYGLEYKF LTLYVIGKLT YEEMFTELET AIHQFAKRQM TWFRGMERRG FTIHWVSAEL PMEEKIAFVI EKLRGN
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	35,375 Da
Sequence Positions	1-306, 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 Q89ZQ3
Species	Bacteroides thetaiotaomicron (strain 29148 / DSM 2079 / 10582 / E50 / VPI-5482)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for miaA2 recombinant protein	MBS1436804 is a recombinant protein targeting miaA2. Also known as Recombinant Bacteroides thetaiotaomicron tRNA dimethylallyltransferase 2 (miaA2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of miaA2 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 miaA2. It may not necessarily be applicable to this product.

NCBI GI #	29349731
NCBI GeneID	1073719
NCBI Accession #	NP_813234.1
UniProt Primary Accession #	Q89ZQ3

UniProt Related Accession #	Q89ZQ3
GenBank Nucleotide #	NC_004663.1
NCBI Official Full Name	tRNA delta(2)-isopentenylpyrophosphate transferase
NCBI Official Symbol	miaA
UniProt Protein Name	tRNA dimethylallyltransferase 2
UniProt Synonym Protein Names	Dimethylallyl diphosphate:tRNA dimethylallyltransferase 2
Protein Family	tRNA dimethylallyltransferase
UniProt Gene Name	miaA2
UniProt Synonym Gene Names	DMAPP:tRNA dimethylallyltransferase 2; DMATase 2; IPP transferase 2; IPPT 2; IPTase 2
NCBI Protein Information	tRNA delta(2)-isopentenylpyrophosphate transferase
UniProt Comments for miaA2	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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