Methylenetetrahydrofolate--Trna- (Uracil-5-)-Methyltransferase Trmfo (trmFO) Jannaschia Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methylenetetrahydrofolate--tRNA- (uracil-5-)-methyltransferase TrmFO (trmFO), Recombinant Protein
Full Product Name	Recombinant Jannaschia sp. Methylenetetrahydrofolate--tRNA- (uracil-5-)-methyltransferase TrmFO (trmFO)
Product Gene Name	trmFO recombinant protein
Product Synonym Gene Name	trmFO
Sequence	MTQNTQLTII GGGMAGSEAA WQAANLGVNV RLIEMRPKVE TFAHRTGNLA EMVCSNSFRS DDSEQNAVGL LHWEMRAANS VIMHTADSHK LPAGGALAVD RDPFAEAVTA KLHAHPNIEI TYGEVTDLPA AGPTIIATGP LTGSALADAI AREAGQDALA FFDAIAPIVY ADSIDMDIAW RQSRYDKGDT LEEQQAYINC PLTRDQYEAF IDALLSADKT QFKDGETAGY FDGCLPIEVM AERGRETLRF GPMKPVGLTN PHDPQTKAYA VVQLRRDNAL GTLYNIVGFQ TKMTYGAQKQ VFAMIPGLQE ASFARLGGIH RNTFINSPTL LDDQMRLRSK PHIRFAGQIT GVEGYVESAS MGLLAGRMAA AEILGETLPD LPDTTAMGAL VTHITGGADA KTFQPMNVNF GLFPPVEGLK GGRRGRKDRY KAYTDRAKAA WTNWLTPQTS LGGSQAAE
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	49,479 Da
Sequence Positions	1-458, 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 Q28PE7
Species	Jannaschia sp. (strain CCS1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trmFO recombinant protein	MBS1395627 is a recombinant protein targeting trmFO. Also known as Recombinant Jannaschia sp. Methylenetetrahydrofolate--tRNA- (uracil-5-)-methyltransferase TrmFO (trmFO). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trmFO 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 trmFO. It may not necessarily be applicable to this product.

NCBI GI #	499774885
NCBI Accession #	WP_011455619.1

UniProt Primary Accession #	Q28PE7
GenBank Nucleotide #	WP_011455619.1
NCBI Official Full Name	FADH(2)-oxidizing methylenetetrahydrofolate--tRNA-(uracil(54)-C(5))-methyltransferase TrmFO
UniProt Protein Name	Methylenetetrahydrofolate--tRNA-(uracil-5-)-methyltransferase TrmFO
UniProt Synonym Protein Names	Folate-dependent tRNA (uracil-5-)-methyltransferase
Protein Family	Methylenetetrahydrofolate--tRNA-(uracil-5-)-methyltransferase
UniProt Gene Name	trmFO
UniProt Comments for trmFO	Catalyzes the folate-dependent formation of 5-methyl-uridine at position 54 (M-5-U54) in all tRNAs.
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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