Methylenetetrahydrofolate--Trna- (Uracil-5-)-Methyltransferase Trmfo (trmFO) Geobacter Sulfurreducens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methylenetetrahydrofolate--tRNA- (uracil-5-)-methyltransferase TrmFO (trmFO), Recombinant Protein
Full Product Name	Recombinant Geobacter sulfurreducens Methylenetetrahydrofolate--tRNA- (uracil-5-)-methyltransferase TrmFO (trmFO)
Product Gene Name	trmFO recombinant protein
Product Synonym Gene Name	trmFO
Sequence	MTGAVTIIGG GLAGCEAAWQ IAGRGVRVVL REMKPQRYSP AHHLSGLAEL VCSNSLRGES LENAVGLLKE ELRRAGSLIM AAADATRVPA GGALAVDREL FSSYVTERIE GHPLIELVRE EVTELPAEGV LVIASGPLTS DALAERLKQI TGDSLYFYDA IAPIVAADSL DSDKVFRASR YGKGDGDDYL NCPLSEEEYE RFVDAVLAAE KVPARDFEKV VHFEGCMPVE EMAERGRETL RFGPLKPVGL TDPRTGREPH AVVQLRAENR EGTLFNLVGF QTKLTWPEQR RVFRMIPGLE SAEFVRLGSM HRNTFINAPT LLEPTFRLKG DPRTFFAGQI TGVEGYVESA GSGFLAGINS ARLVRGEDPA VPPPVTALGA LVAHITTAPA RHFQPMNVNY GLFPPLEGKV KKKDRRGRLA ERALAELDHW LATV
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	47,290 Da
Sequence Positions	1-434, 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 Q74A44
Species	Geobacter sulfurreducens (strain 51573 / DSM 12127 / PCA)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trmFO recombinant protein	MBS1344022 is a recombinant protein targeting trmFO. Also known as Recombinant Geobacter sulfurreducens 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 #	39997642
NCBI GeneID	2686108

NCBI Accession #	NP_953593.1
UniProt Primary Accession #	Q74A44
UniProt Related Accession #	Q74A44
GenBank Nucleotide #	NC_002939.5
NCBI Official Full Name	tRNA (uracil-5-)-methyltransferase Gid
NCBI Official Symbol	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
NCBI Protein Information	tRNA (uracil-5-)-methyltransferase Gid
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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