Methionyl-Trna Formyltransferase (fmt) Thermotoga Maritima Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionyl-tRNA formyltransferase (fmt), Recombinant Protein
Full Product Name	Recombinant Thermotoga maritima Methionyl-tRNA formyltransferase (fmt)
Product Gene Name	fmt recombinant protein
Product Synonym Gene Name	fmt
Sequence	MRIVFVGTPE FAAEILEHLI KNGFNVVGVV TQPDKPRGRG RKVAPTPVKA VAEKHEVPFI QPESINKKEA LEFLRSVRPD VIIVASYGKI LGEKVLSLPR LGCYNIHPSL LPKYRGASPI QRVLENGEER TGVTIYKMVK ELDAGPIALQ KEISVDPFET FDQLEKRLIE LSKEMLIEFL EKLKTGNIEL KEQDHSRATY APMIKKEDLI VDFSKDAESV KNKIRAYDSR PGARAFLGNV EVKLFGVTAI DSSGDEPGLI NYIDREGAWI GTGDGKVKVR YIQFPGKKKM TFWEAKNGRL IIEGMRFERR YES
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	35,328 Da
Sequence Positions	1-313, 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 Q9WYZ8
Species	Thermotoga maritima (strain 43589 / MSB8 / DSM 3109 / JCM 10099)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fmt recombinant protein	MBS1354901 is a recombinant protein targeting fmt. Also known as Recombinant Thermotoga maritima Methionyl-tRNA formyltransferase (fmt). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fmt 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 fmt. It may not necessarily be applicable to this product.

NCBI GI #	15643294
NCBI GeneID	897580
NCBI Accession #	NP_228338.1
UniProt Primary Accession #	Q9WYZ8
UniProt Related Accession #	Q9WYZ8

GenBank Nucleotide #	NC_000853.1
NCBI Official Full Name	methionyl-tRNA formyltransferase
NCBI Official Symbol	TM0528
UniProt Protein Name	Methionyl-tRNA formyltransferase
Protein Family	Clustered mitochondria protein
UniProt Gene Name	fmt
NCBI Protein Information	methionyl-tRNA formyltransferase
UniProt Comments for fmt	Attaches a formyl group to the free amino group of methionyl-tRNA(fMet). The formyl group appears to play a dual role in the initiator identity of N-formylmethionyl-tRNA by promoting its recognition by IF2 and preventing the misappropriation of this tRNA by the elongation apparatus.
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