Methionyl-Trna Formyltransferase (fmt) Nitrobacter Winogradskyi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionyl-tRNA formyltransferase (fmt), Recombinant Protein
Full Product Name	Recombinant Nitrobacter winogradskyi Methionyl-tRNA formyltransferase (fmt)
Product Gene Name	fmt recombinant protein
Product Synonym Gene Name	fmt
Sequence	MPLRLIFMGT PDFAVPTLQQ LVAHGHEIAA VYTREARPAG RGMKLQPTPV AREAQRLGLP VLTPKTLKTQ ESQDQLRSYG ADAAVVVAYG LILPQAILDA PRYGCYNLHA SLLPRWRGAA PINRAVMAGD AESGVMVMKI DAGLDTGDVA MAERVPITDA MTASDLHDTL APLGADLMAR AMDALERGEL RLTKQSEQGV ASTVTYAAKI DKAEAHIVWS NPAREVLRHI HGLSPFPGAW CEMPVDGEAV RIKILRCELA EGAGSPGDLL DDRLTIACKD GAIRVLELQR AGKPPMKAAA FLNGTPLTPP LRLD
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	33,697 Da
Sequence Positions	1-314, 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 Q3SN28
Species	Nitrobacter winogradskyi (strain Nb-255 / 25391)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fmt recombinant protein	MBS1425230 is a recombinant protein targeting fmt. Also known as Recombinant Nitrobacter winogradskyi 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 #	499635495
NCBI Accession #	WP_011316229.1
UniProt Primary Accession #	Q3SN28
GenBank Nucleotide #	WP_011316229.1
NCBI Official Full Name	methionyl-tRNA formyltransferase

UniProt Protein Name	Methionyl-tRNA formyltransferase
Protein Family	Clustered mitochondria protein
UniProt Gene Name	fmt
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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