# Methionyl-Trna Formyltransferase (fmt) Bordetella Avium Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Methionyl-tRNA formyltransferase (fmt), Recombinant Protein |
| **Full Product Name** | Recombinant Bordetella avium Methionyl-tRNA formyltransferase (fmt) |
| **Product Gene Name** | fmt recombinant protein |
| **Product Synonym Gene Name** | fmt |
| **Sequence** | MRLVFAGTPE FARLALEALL AAGHEIPLVL TQPDRPAGRG LKLTPSPVKE AALAAGIEVA QPRSLRLDGR YPDEALAAQA RLVAVAPEVM VVAAYGLILP RWTLALPARG CLNIHASLLP RWRGAAPIQR AIEAGDARTG VTIMQMDDGL DTGDMLLERT VPIGAETTAA VLHDELARVG AEAIVAALAD LPALAPRKQP EQGVTYAAKL DKAEAALKLD ESAELLARRI RAFNPVPGAS LRLPGLNEPV KVWQAEALPE SSPAAPGTVL RASAQGVDIA TGQGVLRLLE LQKAGGKRQS AEVFVRGWQP A |
| **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** | 32,751 Da |
| **Sequence Positions** | 1-311, 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 Q2L0K7 |
| **Species** | Bordetella avium (strain 197N) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for fmt recombinant protein** | MBS1369435 is a recombinant protein targeting fmt. Also known as Recombinant Bordetella avium 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.

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| **NCBI GI #** | 501384340 |
| **NCBI Accession #** | WP_012415906.1 |
| **UniProt Primary Accession #** | Q2L0K7 |
| **GenBank Nucleotide #** | WP_012415906.1 |
| **NCBI Official Full Name** | methionyl-tRNA formyltransferase |

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|---|---|
| **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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