# Trna (Guanine-N (7)-)-Methyltransferase (trmB) Methylibium Petroleiphilum Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | tRNA (guanine-N (7)-)-methyltransferase (trmB), Recombinant Protein |
| **Full Product Name** | Recombinant Methylibium petroleiphilum tRNA (guanine-N (7)-)-methyltransferase |
| **Product Gene Name** | trmB recombinant protein |
| **Sequence** | MRGGAHGPGD RAGRCREHRQ DHAGPCAGAG APFARPAGHA GGRVPARVLR RARPHAAARG TGRHRRRAMA SHRGRRAGRS HRAGRHHAAD DRGLQRVRVR RPQSLPPGAR APAPLRPHAA DRPRPGLAAR RPAARRRPGA RPGRPLGPRR AGLCRAALFG GLWRRLGAHG SRCGCAAPAA APARPGGPRA RRPAAAWPLP RMPAARMRTS VVRVRGEAPI AMSEPDSSSP PAHPPRPIRS FVLRAGRMGS GQTRALAELG PRFVLPFQRE PLDPQTVFGR RAPRVFEIGF GMGDATAQIA AARPDTDFIG CEVHTPGVGA LLKQIGEREL TNLRIVQHDA VEVLDHMIEP GSLAGIHLFF PDPWHKKKHH KRRLVQPAFV ERLVTRLAPG GYLHCATDWQ PYAEQMLEVL GAEPALRNSA DGYAPRPEYR PLTKFEQRGL RLGHGVWDLV FTKHQGRSAS KQCTATSSP |
| **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** | 50,968 Da |
| **Sequence Positions** | 1-469, 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 A2SJR5 |
| **Species** | Methylibium petroleiphilum (strain PM1) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for trmB recombinant protein** | MBS1155038 is a recombinant protein targeting trmB. Also known as Recombinant Methylibium petroleiphilum tRNA (guanine-N (7)-)-methyltransferase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of trmB 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 trmB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 152061089 |
| **NCBI Accession #** | A2SJR5.1 |
| **UniProt Primary Accession #** | A2SJR5 |
| **NCBI Official Full Name** | tRNA (guanine-N(7)-)-methyltransferase |

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| **UniProt Protein Name** | tRNA (guanine-N(7)-)-methyltransferase |
| **UniProt Synonym Protein Names** | tRNA (guanine(46)-N(7))-methyltransferase; tRNA(m7G46)-methyltransferase |
| **Protein Family** | Bifunctional glycosyltransferase/methyltransferase |
| **UniProt Gene Name** | trmB |
| **UniProt Comments for trmB** | Catalyzes the formation of N7-methylguanine at position 46 (m7G46) in tRNA. |
| **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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