Trna (Guanine-N (7)-)-Methyltransferase (trmB) Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (guanine-N (7)-)-methyltransferase (trmB), Recombinant Protein
Full Product Name	Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum tRNA (guanine-N (7)-)-methyltransferase
Product Gene Name	trmB recombinant protein
Product Synonym Gene Name	trmB; BU551
Product Synonym Names	tRNA (guanine-N(7)-)-methyltransferase; EC=2.1.1.33; tRNA (guanine(46)-N(7))-methyltransferase; tRNA(m7G46)-methyltransferase
Sequence	MKNNIITPRY NLEGVFLRQI HSFVCRKGRT TTSQLSAIKK YWSLIGVDFQ LNALNFSSIF KHRAPIILEI GFGSGESLVK TAMNFPEKNF LGIEVYKSGI GSCLHYASSY QIQNLRIIYY DATEVMYNMI PDDTLSKVQI FFPDPWHKKR HHKRRLLKNI FLKIITKKLI IDGILHIATD SESYAFYILD EIKDIKNYKN LSEKNNFVKR PVSRIITKFE KKGLLQGKKI FDLMFQLKK
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	27,935 Da
Sequence Positions	1-239aa; 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 P57616
Species	Buchnera aphidicola subsp. Acyrthosiphon pisum (strain APS) (Acyrthosiphon pisum symbiotic bacterium)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trmB recombinant protein	MBS1256870 is a recombinant protein targeting trmB. Also known as Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum 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.

NCBI GI #	15617144
NCBI GeneID	1109893
NCBI Accession #	NP_240357.1

UniProt Primary Accession #	P57616
UniProt Related Accession #	P57616
GenBank Nucleotide #	NC_002528.1
NCBI Official Full Name	tRNA (guanine-N(7)-)-methyltransferase
NCBI Official Symbol	trmB
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 Entry Name	TRMB_BUCAI
NCBI Protein Information	tRNA (guanine-N(7)-)-methyltransferase
UniProt Comments for trmB	Catalyzes the formation of N(7)-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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