Trna (Guanine (26)-N (2))-Dimethyltransferase (trm1) Methanococcoides Burtonii Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (guanine (26)-N (2))-dimethyltransferase (trm1), Recombinant Protein
Full Product Name	Recombinant Methanococcoides burtonii tRNA (guanine (26)-N (2))-dimethyltransferase (trm1)
Product Gene Name	trm1 recombinant protein
Product Synonym Gene Name	trm1
Sequence	MLSTKVTEGS TTVSVPVPPE GVPFPPSEAP VFYNPHMELN RDISVAATSA CAKRILLKKD MELKDITYLD AMSASGIRGL RIANEVGITS ILNDWSDDAY GLILENIGLT GVSDIAEATC KNANVLMHER RFNIVDLDPF GSPTPYLDAA TRSAVHFLEV TATDTAPLCG AHFNSGMRKY AAVPLNNEFH SEMGVRILLG KIARELAKHD KGMTPLLSHA TRHYVRTYLQ VKKGAKLADK AFKDLGFLSH CEHCGHREIF HGMAISISDH CSSCGNDVYI AGPLWLGQLH EPQYCDEVLL ELEDRSLGTK EQAKKLILAC RDELDIPFFY DQHVICKMIG VSAPAMDMFI AALRETGANV SRTHFTGISF KTDAKIDTIK DVLRSL
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	42,463 Da
Sequence Positions	1-386, 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 Q12Y46
Species	Methanococcoides burtonii (strain DSM 6242)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trm1 recombinant protein	MBS1331670 is a recombinant protein targeting trm1. Also known as Recombinant Methanococcoides burtonii tRNA (guanine (26)-N (2))-dimethyltransferase (trm1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trm1 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 trm1. It may not necessarily be applicable to this product.

NCBI GI #	850997686
NCBI Accession #	WP_048063495.1
UniProt Primary Accession #	Q12Y46

GenBank Nucleotide #	WP_048063495.1
NCBI Official Full Name	tRNA (guanine(10)-N(2))-dimethyltransferase
UniProt Protein Name	tRNA (guanine(26)-N(2))-dimethyltransferase
UniProt Synonym Protein Names	tRNA 2,2-dimethylguanosine-26 methyltransferase
Protein Family	Tripartite terminase
UniProt Gene Name	trm1
UniProt Comments for trm1	Dimethylates a single guanine residue at position 26 of a number of tRNAs using S-adenosyl-L-methionine as donor of the methyl groups.
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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