Trna (Guanine (37)-N1)-Methyltransferase Trm5a (trm5a) Pyrococcus Abyssi Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (guanine (37)-N1)-methyltransferase Trm5a (trm5a), Recombinant Protein
Full Product Name	Recombinant Pyrococcus abyssi tRNA (guanine (37)-N1)-methyltransferase Trm5a (trm5a)
Product Gene Name	trm5a recombinant protein
Product Synonym Gene Name	trm5a
Sequence	MSGVKVRRED AKKVLELLKS VGILDGKRKA IRDEKYVIFP VTDTNIAKSL GLEVVDVELP MRPERQIYKN LEDLLPREIF KKLGRLDIVG DIAIVSIPDE ILSEREVIVS AIRKLYPKVK VIARRGFHSG LYRIRELEVI WGENRLHTIH KENGVLIKVD LSKVFFNPRM KGERYRIAQL VNDGERILVP FAGVIPYPLV IARFKNVEVY AVEINEFAVK LAEENLELNR DRLKGKIKII HGDVFEVLPN LPNFDRVVSP TPKGVDALSL TLSKAEKFLH YYDFVHESEI ERFRERVLEE CRRQGKECRV SVRKVSDYKP HVYKVCADVE ILS
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	38,478 Da
Sequence Positions	1-333, 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 Q9V2G1
Species	Pyrococcus abyssi (strain GE5 / Orsay)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trm5a recombinant protein	MBS1485386 is a recombinant protein targeting trm5a. Also known as Recombinant Pyrococcus abyssi tRNA (guanine (37)-N1)-methyltransferase Trm5a (trm5a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trm5a 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 trm5a. It may not necessarily be applicable to this product.

NCBI GI #	499168961
NCBI Accession #	WP_010867237.1
UniProt Primary Accession #	Q9V2G1
UniProt Secondary Accession #	G8ZFU8

GenBank Nucleotide #	WP_010867237.1
NCBI Official Full Name	tRNA (guanine-N1)-methyltransferase
UniProt Protein Name	tRNA (guanine(37)-N1)/4-demethylwyosine(37)-methyltransferase Taw22
UniProt Synonym Protein Names	M1G-methyltransferase; tRNA [GM37] methyltransferase; tRNA(Phe):m1G/imG2 methyltransferase
Protein Family	tRNA
UniProt Gene Name	taw22
UniProt Comments for trm5a	Catalyzes both the N1-methylation of guanosine and the C7-methylation of 4-demethylwyosine (imG-14) at position 37 in tRNA(Phe).
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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