Trna (Guanine-N (7)-)-Methyltransferase Subunit TRM82 (TRM82) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (guanine-N (7)-)-methyltransferase subunit TRM82 (TRM82), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii tRNA (guanine-N (7)-)-methyltransferase subunit TRM82 (TRM82)
Product Gene Name	TRM82 recombinant protein
Product Synonym Gene Name	TRM82; AGL159W
Product Synonym Names	tRNA (guanine-N(7)-)-methyltransferase subunit TRM82; Transfer RNA methyltransferase 82
Sequence	MIHPIQFTLT NHDGTLLFCV IKNTIFAYKT NGEDGHLDLA GEWVDDYDSA ELIKAKVEKE QQRRLAENAA KKLKTNEGEA IERPGNQRRV PLPGKDPKVP VPGPGAPPVY QYIRCLQLSH DEKMLVACTD SDKAAVFFRI ELHKDNCLTL FKRQPFPKRP NAVTFADDDA KLLLADKFGD VYAVDSVGEP EKKDPEPILG HVSMLTDIAL VTDTKKSYVI TADRDEHIKI SHYPQSFVID KWLFGHKEFV SSLCVPEWQS SMLFSAGGDS FIATWDWQKG LLMSSFDYST IVEPHLTDAH LPPARFLAND GSDRREASIS KLLTFKDLPY LVAVPEMTKI VLLLQWDATS GELILSQTLA LPLNVVSATV TSANHKLILS LDNREQPGKN FVKIFTLENG KFEEEQAASS SVDEAIVRNL SERPEVQTTV DDIYPLYHVS QLRKRGEHYS
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	50,564 Da
Sequence Positions	1-450aa; 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 Q750U8
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TRM82 recombinant protein	MBS1323638 is a recombinant protein targeting TRM82. Also known as Recombinant Ashbya gossypii tRNA (guanine-N (7)-)-methyltransferase subunit TRM82 (TRM82). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TRM82 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 TRM82. It may not necessarily be applicable to this product.

NCBI GI #	45200938

NCBI GeneID	4622801
NCBI Accession #	NP_986508.1
UniProt Primary Accession #	Q750U8
UniProt Related Accession #	Q750U8
GenBank Nucleotide #	NM_211570.1
NCBI Official Full Name	AGL159Wp
NCBI Official Symbol	AGOS_AGL159W
UniProt Protein Name	tRNA (guanine-N(7)-)-methyltransferase non-catalytic subunit TRM82
UniProt Synonym Protein Names	Transfer RNA methyltransferase 82
Protein Family	tRNA
UniProt Gene Name	TRM82
UniProt Synonym Gene Names	AGL159W
UniProt Entry Name	TRM82_ASHGO
NCBI Protein Information	AGL159Wp
UniProt Comments for TRM82	Required for the formation of N(7)-methylguanine at position 46 (m7G46) in tRNA. In the complex, it is required to stabilize and induce conformational changes of the catalytic subunit.
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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