Trna (Guanine (37)-N1)-Methyltransferase (AGAP006124) Anopheles Gambiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (guanine (37)-N1)-methyltransferase (AGAP006124), Recombinant Protein
Full Product Name	Recombinant Anopheles gambiae tRNA (guanine (37)-N1)-methyltransferase (AGAP006124), partial
Product Gene Name	AGAP006124 recombinant protein
Product Synonym Gene Name	AGAP006124
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	63,813 Da
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 Q7Q5Z3
Species	Anopheles gambiae (African malaria mosquito)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AGAP006124 recombinant protein	MBS1370381 is a recombinant protein targeting AGAP006124. Also known as Recombinant Anopheles gambiae tRNA (guanine (37)-N1)-methyltransferase (AGAP006124), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AGAP006124 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 AGAP006124. It may not necessarily be applicable to this product.

NCBI GI #	158295382
NCBI GeneID	1276794
NCBI Accession #	XP_316184.4
UniProt Primary Accession #	Q7Q5Z3
GenBank Nucleotide #	XM_316184.4
NCBI Official Full Name	AGAP006124-PA
NCBI Official Symbol	AgaP_AGAP006124

UniProt Protein Name	tRNA (guanine(37)-N1)-methyltransferase
UniProt Synonym Protein Names	M1G-methyltransferase
UniProt Gene Name	AGAP006124
NCBI Protein Information	AGAP006124-PA
UniProt Comments for AGAP006124	Specifically methylates the N1 position of guanosine-37 in various cytoplasmic and mitochondrial tRNAs. Methylation is not dependent on the nature of the nucleoside 5' of the target nucleoside. This is the first step in the biosynthesis of wybutosine (yW), a modified base adjacent to the anticodon of tRNAs and required for accurate decoding.
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