Trna (Uracil (54)-C (5))-Methyltransferase (trmA) Idiomarina Loihiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (uracil (54)-C (5))-methyltransferase (trmA), Recombinant Protein
Full Product Name	Recombinant Idiomarina loihiensis tRNA (uracil (54)-C (5))-methyltransferase (trmA)
Product Gene Name	trmA recombinant protein
Product Synonym Gene Name	trmA
Sequence	MTYKRIDTSE YPQQLAQKAD RVREMFRPFH LNEVEVFESP ASHYRMRAEF RVWHEGDDLY YIMFNPETRE KIRMNEFIPG SLLINELMKE LISLLKPNDV LRRKLFQVDF LTTTTGEAII SLLYHRPLDD QWEQEAIQLR EALTSIAKVE VIGRARKQKR VLYKESVTEE VKVDGKSYLS LQTENSFTQP NAIINQQMIS WAKRHAGNNS HDLLELYCGN GNFTLPLAEN FNRVLATEIS KSSVAAAREN AELNNIKNVT VVRMSAEEFS AALSGELESK RAADAEIHSF DCQTVLVDPP RAGLDKDTLK LVSQYQRIIY ISCNPETLTE NIHDLSSSHK VTAAAMFDQF PYTDHIETGV VLERKS
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	42,037 Da
Sequence Positions	1-366, 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 Q5QVT1
Species	Idiomarina loihiensis (strain BAA-735 / DSM 15497 / L2-TR)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for trmA recombinant protein	MBS1387162 is a recombinant protein targeting trmA. Also known as Recombinant Idiomarina loihiensis tRNA (uracil (54)-C (5))-methyltransferase (trmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of trmA 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 trmA. It may not necessarily be applicable to this product.

NCBI GI #	511281134
NCBI Accession #	WP_016341401.1
UniProt Primary Accession #	Q5QVT1

GenBank Nucleotide #	WP_016341401.1
NCBI Official Full Name	tRNA (uridine(54)-C5)-methyltransferase TrmA
UniProt Protein Name	tRNA/tmRNA (uracil-C(5))-methyltransferase
UniProt Synonym Protein Names	tRNA (uracil(54)-C(5))-methyltransferase
Protein Family	tRNA/tmRNA
UniProt Gene Name	trmA
UniProt Synonym Gene Names	RUMT
UniProt Comments for trmA	Dual-specificity methyltransferase that catalyzes the formation of 5-methyluridine at position 54 (m5U54) in all tRNAs, and that of position 341 (m5U341) in tmRNA (transfer-mRNA).
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