Trna (Uracil (54)-C (5))-Methyltransferase Homolog (TRMT2B) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	tRNA (uracil (54)-C (5))-methyltransferase homolog (TRMT2B), Recombinant Protein
Full Product Name	Recombinant Human tRNA (uracil (54)-C (5))-methyltransferase homolog (TRMT2B)
Product Gene Name	TRMT2B recombinant protein
Product Synonym Gene Name	TRMT2B
Sequence	MAGLKRRVPL HSLRYFISMV GLFSKPGLLP WYARNPPGWS QLFLGTVCKG DFTRVIATKC QKGQKSQKKP SHLGPLDGSW QERLADVVTP LWRLSYEEQL KVKFAAQKKI LQRLESYIQM LNGVSVTTAV PKSERLSCLL HPIIPSPVIN GYRNKSTFSV NRGPDGNPKT VGFYLGTWRD GNVVCVQSNH LKNIPEKHSQ VAQYYEVFLR QSPLEPCLVF HEGGYWRELT VRTNSQGHTM AIITFHPQKL SQEELHVQKE IVKEFFIRGP GAACGLTSLY FQESTMTRCS HQQSPYQLLF GEPYIFEELL SLKIRISPDA FFQINTAGAE MLYRTVGELT GVNSDTILLD ICCGTGVIGL SLAQHTSRVL GIELLEQAVE DARWTAAFNG ITNSEFHTGQ AEKILPGLLK SKEDGQSIVA VVNPARAGLH YKVIQAIRNF RAIHTLVFVS CKLHGESTRN VIELCCPPDP AKKLLGEPFV LQQAVPVDLF PHTPHCELVL LFTR
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	51,485 Da
Sequence Positions	1-504, 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 Q96GJ1
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TRMT2B recombinant protein	This gene encodes a homolog of the TRM2 gene in S. cerevisiae. The yeast gene encodes a tRNA methyltransferase that plays a role in tRNA maturation. The yeast protein also has endo-exonuclease activity and may be involved in DNA double strand break repair. Alternative splicing results in multiple transcripts encoding different isoforms.
Other Notes	Small volumes of TRMT2B 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.
Searchable Terms for TRMT2B purchase	MBS1357779 is a recombinant protein targeting TRMT2B. Also known as Recombinant Human tRNA (uracil (54)-C (5))-methyltransferase homolog (TRMT2B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRMT2B. It may not necessarily be applicable to this product.

NCBI GI #	269784676
NCBI GeneID	79979
NCBI Accession #	NP_001161442.1
UniProt Primary Accession #	Q96GJ1
UniProt Secondary Accession #	Q5JPF0; Q5JVY6; Q96HU7; Q96IH9; Q9H9K2; A6NDG5; A6NEI9; A6NMG6
UniProt Related Accession #	Q96GJ1
GenBank Nucleotide #	NM_001167970.1
NCBI Official Full Name	tRNA (uracil(54)-C(5))-methyltransferase homolog isoform a
NCBI Official Synonym Full Names	tRNA methyltransferase 2 homolog B
NCBI Official Symbol	TRMT2B
NCBI Official Synonym Symbols	CXorf34; dJ341D10.3
UniProt Protein Name	tRNA (uracil(54)-C(5))-methyltransferase homolog
UniProt Synonym Protein Names	TRM2 homolog
Protein Family	tRNA
UniProt Gene Name	TRMT2B
UniProt Synonym Gene Names	CXorf34
NCBI Protein Information	tRNA (uracil(54)-C(5))-methyltransferase homolog
UniProt Comments for TRMT2B	Probable S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine at position 54 (m5U54) in all tRNA. May also have a role in tRNA stabilization or maturation ().
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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