Rrna Methyltransferase 1, Mitochondrial (MRM1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	rRNA methyltransferase 1, mitochondrial (Mrm1), Recombinant Protein
Full Product Name	Recombinant Mouse rRNA methyltransferase 1, mitochondrial (Mrm1)
Product Gene Name	Mrm1 recombinant protein
Product Synonym Gene Name	Mrm1
Sequence	FSSVARRGER PGGEELSRLL LDDLAPAQRL ERLFGLSPCL LALRAARRRV ARLLLQAGKA GLQGERAELL RVAEARGIPV LRPRRQKLDA LCGYQVHQGV CMEVSPLRPR PCDEAADTSS GDDPQQLWLV LEGLQDPRNL GAVMRSAHFL GVDRVITSQR NSCPLTPVVS KASAGAMEVM DVFATPDLPG FLQAKAQQGW LVVGTVGCPG PEISQSSKVP ITSCLEFVWD RPTLLVLGSE GSGLSQEVFA SCQLLLTILP RRHLPPGLES LNVSVATGIL LHSICSQKKG FPVQERGQLL QDS
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	34,843 Da
Sequence Positions	18-320, 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 Q99J25
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mrm1 recombinant protein	MBS1425271 is a recombinant protein targeting Mrm1. Also known as Recombinant Mouse rRNA methyltransferase 1, mitochondrial (Mrm1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Mrm1 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 Mrm1. It may not necessarily be applicable to this product.

NCBI GI #	89337263
NCBI GeneID	217038
NCBI Accession #	NP_663408.2
UniProt Primary Accession #	Q99J25
UniProt Secondary Accession #	Q3TPX8; Q3U0Z5; Q5ND22

UniProt Related Accession #	Q99J25
GenBank Nucleotide #	NM_145433.1
NCBI Official Full Name	rRNA methyltransferase 1, mitochondrial
NCBI Official Synonym Full Names	mitochondrial rRNA methyltransferase 1
NCBI Official Symbol	Mrm1
NCBI Official Synonym Symbols	A530065E19Rik
UniProt Protein Name	rRNA methyltransferase 1, mitochondrial
UniProt Synonym Protein Names	16S rRNA (guanosine(1145)-2'-O)-methyltransferase
Protein Family	rRNA methyltransferase
UniProt Gene Name	Mrm1
NCBI Protein Information	rRNA methyltransferase 1, mitochondrial
UniProt Comments for Mrm1	S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methylguanosine at position 1145 (Gm1145) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a universally conserved modification in the peptidyl transferase domain of the mtLSU rRNA.
Research Articles on Mrm1	**1.** RNMTL1, MRM1, and MRM2 (FtsJ2) as members of the RNA methyltransferase family that may be responsible for the three known 2'-O-ribose modifications of the 16 S rRNA core of the large mitochondrial ribosome subunit.
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