Recombinant Mouse Mrm1 Protein, Myc/DDK-tagged

Cat. No. Mrm1-4142M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitochondrial rRNA methyltransferase 1 (Mrm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	34.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Mrm1 mitochondrial rRNA methyltransferase 1 [Mus musculus (house mouse)]
Official Symbol	Mrm1
Synonyms	MRM1; mitochondrial rRNA methyltransferase 1 homolog (S. cerevisiae); rRNA methyltransferase 1, mitochondrial; mitochondrial large ribosomal RNA ribose methylase; A530065E19Rik; ENSMUSG00000054212
Gene ID	217038
mRNA Refseq	NM_145433
Protein Refseq	NP_663408
UniProt ID	Q99J25

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