

Recombinant Mouse Mrm3 Protein, Myc/DDK-tagged

Cat. No. Mrm3-4143M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitochondrial rRNA methyltransferase 3 (Mrm3), 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 1370 (Gm1370) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a conserved modification in the peptidyl transferase domain of the mtLSU rRNA.
Molecular Mass	34.7 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	Mrm3 mitochondrial rRNA methyltransferase 3 [Mus musculus (house mouse)]
Official Symbol	Mrm3
Synonyms	Mrm3; mitochondrial rRNA methyltransferase 3; Rnm; HC90; Rnmtl1; AI255153; 4833420N02Rik; rRNA methyltransferase 3, mitochondrial; 16S rRNA (guanosine(1370)-2'-O)-methyltransferase; 16S rRNA [Gm1370] 2'-O-methyltransferase; RNA methyltransferase like 1; RNA methyltransferase-like protein 1; EC 2.1.1.-
Gene ID	67390
mRNA Refseq	NM_183263
Protein Refseq	NP_899086
UniProt ID	Q5ND52

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