

Recombinant Mouse Trmu Protein, Myc/DDK-tagged

Cat. No. Trmu-6669M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase (Trmu), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the 2-thiolation of uridine at the wobble position (U34) of mitochondrial tRNA(Lys), tRNA(Glu) and tRNA(Gln). Required for the formation of 5-taurinomethyl-2-thiouridine (tm5s2U) of mitochondrial tRNA(Lys), tRNA(Glu), and tRNA(Gln) at the wobble position. ATP is required to activate the C2 atom of the wobble base.
Molecular Mass	47.2 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	Trmu tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Mus musculus (house mouse)]
Official Symbol	Trmu
Synonyms	Trmu; tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase; Trmt; Trmt1; AI314320; 1110005N20Rik; 1600025P05Rik; mitochondrial tRNA-specific 2-thiouridylase 1; tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase 1; EC 2.8.1.14
Gene ID	72026
mRNA Refseq	NM_028063
Protein Refseq	NP_082339
UniProt ID	Q9DAT5

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