

Recombinant Mouse Trmu Protein, Myc/DDK-tagged

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

SPECIFICATION

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| 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

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|------------------------|---|
| Gene Name | Trmu tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [<i>Mus musculus</i> (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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