

Recombinant Mouse Trmo Protein, Myc/DDK-tagged

Cat. No. Trmo-6666M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tRNA methyltransferase O (Trmo), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	S-adenosyl-L-methionine-dependent methyltransferase responsible for the addition of the methyl group in the formation of N6-methyl-N6-threonylcarbamoyladenosine at position 37 (m6t6A37) of the tRNA anticodon loop of tRNA(Ser)(GCU). The methyl group of m6t6A37 may improve the efficiency of the tRNA decoding ability. May bind to tRNA.
Molecular Mass	54.1 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	Trmo tRNA methyltransferase O [Mus musculus (house mouse)]
Official Symbol	Trmo
Synonyms	Trmo; tRNA methyltransferase O; Nap1; AV014846; 5830415F09Rik; tRNA (adenine(37)-N6)-methyltransferase; likely ortholog of H. sapiens chromosome 9 open reading frame 156 (C9orf156); nef-associated protein 1; thioesterase NAP1
Gene ID	74753
mRNA Refseq	NM_029086
Protein Refseq	NP_083362
UniProt ID	Q562D6

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