

Recombinant Mouse Mrpl18 Protein, Myc/DDK-tagged

Cat. No. Mrpl18-4150M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitochondrial ribosomal protein L18 (Mrpl18), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Together with thiosulfate sulfurtransferase (TST), acts as a mitochondrial import factor for the cytosolic 5S rRNA. The precursor form shows RNA chaperone activity; is able to fold the 5S rRNA into an import-competent conformation that is recognized by rhodanese (TST). Both the cytoplasmic and mitochondrial forms are able to bind to the helix IV-loop D in the gamma domain of the 5S rRNA.
Molecular Mass	20.7 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	Mrpl18 mitochondrial ribosomal protein L18 [Mus musculus (house mouse)]
Official Symbol	Mrpl18
Synonyms	MRPL18; mitochondrial ribosomal protein L18; 39S ribosomal protein L18, mitochondrial; L18mt; C79879; HSPC071; MRP-L18; 1010001C05Rik
Gene ID	67681
mRNA Refseq	NM_026310
Protein Refseq	NP_080586
UniProt ID	Q9CQL5

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