

Recombinant Mouse Mrpl41 Protein, MYC/DDK-tagged

Cat. No. Mrpl41-342M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse mitochondrial ribosomal protein L41 (Mrpl41), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the mitochondrial ribosome large subunit. Also involved in apoptosis and cell cycle. Enhances p53/TP53 stability, thereby contributing to p53/TP53-induced apoptosis in response to growth-inhibitory condition. Enhances p53/TP53 translocation to the mitochondria. Has the ability to arrest the cell cycle at the G1 phase, possibly by stabilizing the CDKN1A and CDKN1B (p27Kip1) proteins.
Molecular Mass	15.3 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 ug/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	Mrpl41 mitochondrial ribosomal protein L41 [Mus musculus (house mouse)]
Official Symbol	Mrpl41
Synonyms	Mrpl41; mitochondrial ribosomal protein L41; Rpml27; MRP-L27; 39S ribosomal protein L41, mitochondrial; L41mt; MRP-L41
Gene ID	107733
mRNA Refseq	NM_001031808
Protein Refseq	NP_001026978
UniProt ID	Q9CQN7

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