

Recombinant Mouse Myg1 Protein, Myc/DDK-tagged

Cat. No. Myg1-4244M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length melanocyte proliferating gene 1 (Myg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	3'-5' RNA exonuclease which cleaves in situ on specific transcripts in both nucleus and mitochondrion. Involved in regulating spatially segregated organellar RNA processing, acts as a coordinator of nucleo-mitochondrial crosstalk. In nucleolus, processes pre-ribosomal RNA involved in ribosome assembly and alters cytoplasmic translation. In mitochondrial matrix, processes 3'-termini of the mito-ribosomal and messenger RNAs and controls translation of mitochondrial proteins.
Molecular Mass	42.7 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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Myg1 melanocyte proliferating gene 1 [*Mus musculus* (house mouse)]

Official Symbol Myg1

Synonyms Myg1; melanocyte proliferating gene 1; Gamm; Gamm1; AI325965; 0610023A07Rik; 2810433J21Rik; 5830429P19Rik; MYG1 exonuclease; UPF0160 protein MYG1, mitochondrial; protein Gamm1

Gene ID 60315

mRNA Refseq NM_021713

Protein Refseq NP_068359

UniProt ID Q9JK81

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