

Product datasheet for **TP505927**

Myg1 (NM_021713) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse melanocyte proliferating gene 1 (Myg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR205927 protein sequence
Red=Cloning site **Green**=Tags(s)

MGRRFLRGILTPLRSVLQAQHRMLGSEQDPPAKRLRNNLMAPPRIGTHNGTFHCDEALACALLRLLPEY
ANAEIVRTRDPEKLASCDIIVDVGGEYNPQSHRYDHHQRTFTETMSSSLCPGKPWQTKLSSAGLVYLHFGR
KLLAQLLGTSEEDSVDTIYDKMYENFVEEVDVAVDNGISQWAEGEPLYAMTTLSARVARLNPTWNQPNQ
DTEAGFRRAMDLVQEEFLQRLNFYQHSWLPARALVEEALAQRFKVDSSGEIVELAKGGCPWKEHLYHLES
ELSPKVAITFVIYTDQAGQWRVQCVPKPHSFQSRLLPEPWRGLRDKALDQVSGIPGCIFVHASGFIGG
HHTREGALNMARATLAQRPAPVPLANAVVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 42.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_068359](#)

Locus ID: 60315

UniProt ID: [Q9JK81](#)



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RefSeq Size:	1480
Cytogenetics:	15 F3
RefSeq ORF:	1143
Synonyms:	0610023A07Rik; 2810433J21Rik; 5830429P19Rik; AI325965; Gamm1
Summary:	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 (PubMed:31081026). 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 (PubMed:31081026).[UniProtKB/Swiss-Prot Function]