

Product datasheet for **TP500813**

Mrpl41 (NM_001031808) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitochondrial ribosomal protein L41 (Mrpl41), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200813 protein sequence Red =Cloning site Green =Tags(s)
	MGFLTAVTQGLVRGADRMSKWTSKRGPRFTFKSRGAKKTGIYTSDRKFVQIKEMVPEFVVPDLTGFKLKP YVNYRAPAGIDTPLTAKALFQETVAPAIEKDFKEGTFDANNLEKYGFEPTEQEGKLFQLYPKNFPR
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	15.3 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_001026978
Locus ID:	107733
UniProt ID:	Q9CQN7
RefSeq Size:	2423
Cytogenetics:	2 A3
RefSeq ORF:	408



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Synonyms: MRP-L27; Rpml27

Summary: 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.[UniProtKB/Swiss-Prot Function]