

Product datasheet for **TP501604**

Mrpl18 (NM_026310) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitochondrial ribosomal protein L18 (Mrpl18), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201604 protein sequence Red =Cloning site Green =Tags(s)
	 MALRPRFWKCLSVCRKLECGFAALSTSSVPAVQPDVESKENEAVAPEFTNRNPRNLELLGVARKERGWAT VWPNREFWHRLRVVKTQHHVEAFVEHLNGQVVSASTREWAIAKKHLYSTRNVVACESIGRVLAQRCLEAG INFMVYQPTPWEASSDSIKRLQNAMTESGVMLREPRIYE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	20.7 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:	<u>NP_080586</u>
Locus ID:	67681
UniProt ID:	<u>Q9CQL5</u>
RefSeq Size:	959
Cytogenetics:	17 A1



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RefSeq ORF: 540

Synonyms: 1010001C05Rik; C79879; HSPC071; MRP-L18

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]