

## Product datasheet for TP518598

### Mrpl47 (NM\_029017) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitochondrial ribosomal protein L47 (Mrpl47), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	<p>&gt;MR218598 representing NM_029017</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAATSLVGICRRASAFLLKAACSLVNPKDAAHSGCRSSLSLLHKNTPHVTSFLQCKLLHTTSLRKGLEEFF          DDPKNWGEKVKSGASWTCQQLRNKSNEDLHKLWYVLLKERNMLLTLEQEAQRQLPMPSPERLEKVV          DS          MDNVDKVVQEREDALRLLTGTGQEKPRPGAWRRDIFGRIVWHKFKQWPIPWYLNKRYNRRRRFFAMPYVD          RF          IRLRIEKHARIEARKRSLQKKKEKILHAKFPHLSQERKSSSV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	29.7 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:	<a href="#">NP_083293</a>
Locus ID:	74600
UniProt ID:	<a href="#">Q8K2Y7</a>


[View online »](#)

<b>RefSeq Size:</b>	899
<b>Cytogenetics:</b>	3 A3
<b>RefSeq ORF:</b>	756
<b>Synonyms:</b>	4833424P18Rik; CGI-20; CGI-204; Gm9859; L47mt; MRP-L47; MTF/L47; NCM; NCM1
<b>Summary:</b>	<p>Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. This gene is immediately adjacent to the gene for BRG1/brm-associated factor 53A (also known as BAF complex 53 kDa subunit protein A in humans) in a tail-to-tail orientation. [provided by RefSeq, Jul 2008]</p>