

## Product datasheet for **TP512418**

### **Malsu1 (NM\_029353) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse mitochondrial assembly of ribosomal large subunit 1 (Malsu1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence from Mouse cDNA ORF Clone, MR212418, encoding Mouse full-length Malsu1.
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	26.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_083629</a>
<b>Locus ID:</b>	75593
<b>UniProt ID:</b>	<a href="#">Q9CWW0</a>
<b>RefSeq Size:</b>	785
<b>Cytogenetics:</b>	6
<b>RefSeq ORF:</b>	684
<b>Synonyms:</b>	2410003K15Rik; Matsu1



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**Summary:**

Required for normal mitochondrial ribosome function and mitochondrial translation. May play a role in ribosome biogenesis by preventing premature association of the 28S and 39S ribosomal subunits. Interacts with mitochondrial ribosomal protein L14 (MRPL14), probably blocking formation of intersubunit bridge B8, preventing association of the 28S and 39S ribosomal subunits. Addition to isolated mitochondrial ribosomal subunits partially inhibits translation, probably by interfering with the association of the 28S and 39S ribosomal subunits and the formation of functional ribosomes. May also participate in the assembly and/or regulation of the stability of the large subunit of the mitochondrial ribosome. May function as a ribosomal silencing factor.[UniProtKB/Swiss-Prot Function]