

Recombinant Mouse Malsu1 Protein, Myc/DDK-tagged

Cat. No. Malsu1-3910M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitochondrial assembly of ribosomal large subunit 1 (Malsu1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	26.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Malsu1 mitochondrial assembly of ribosomal large subunit 1 [Mus musculus (house mouse)]
Official Symbol	Malsu1
Synonyms	Malsu1; mitochondrial assembly of ribosomal large subunit 1; Matsu1; 2410003K15Rik; mitochondrial assembly of ribosomal large subunit protein 1; protein C7orf30 homolog
Gene ID	75593
mRNA Refseq	NM_029353
Protein Refseq	NP_083629
UniProt ID	Q9CWW0

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