Recombinant Mouse Mrpl58 Protein, Myc/DDK-tagged

Cat. No. Mrpl58-3471M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length immature colon carcinoma transcript 1 (cDNA clone MGC:41300 IMAGE:2938122), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Essential peptidyl-tRNA hydrolase component of the mitochondrial large ribosomal subunit. Acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. May be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes.
Molecular Mass	23.5 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.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Mrpl58 mitochondrial ribosomal protein L58 [Mus musculus (house mouse)]
Official Symbol	Mrpl58
Synonyms	Mrpl58; mitochondrial ribosomal protein L58; Ict; Ict1; MRP-L58; 1110001A02Rik; 1110002E03Rik; peptidyl-tRNA hydrolase ICT1, mitochondrial; 39S ribosomal protein L58, mitochondrial; immature colon carcinoma transcript 1 protein homolog; EC 3.1.1.29
Gene ID	68572
mRNA Refseq	NM_026729
Protein Refseq	NP_081005
UniProt ID	Q8R035

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