Recombinant Mouse Mrpl28 Protein, Myc/DDK-tagged

Cat. No. Mrpl28-4151M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitochondrial ribosomal protein L28 (Mrpl28), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	30.2 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.

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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	Mrpl28 mitochondrial ribosomal protein L28 [Mus musculus (house mouse)]
Official Symbol	Mrpl28
Synonyms	MRPL28; mitochondrial ribosomal protein L28; 39S ribosomal protein L28, mitochondrial; p15; L28mt; MAAT1; MRP-L28; MGC8184; 1110015G04Rik
Gene ID	68611
mRNA Refseq	NM_024227
Protein Refseq	NP_077189
UniProt ID	Q9D1B9

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