Recombinant Human MRPL36 Protein, MYC/DDK-tagged

Cat. No. MRPL36-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human mitochondrial ribosomal protein L36 (MRPL36), nuclear gene encoding mitochondrial protein with a C-MYC/DDK tag was expressed in HEK293T.
Species	Human
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. A pseudogene corresponding to this gene is found on chromosome 2p.
Molecular Mass	11.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	MRPL36 mitochondrial ribosomal protein L36 [Homo sapiens (human)]
Official Symbol	MRPL36
Synonyms	MRPL36; mitochondrial ribosomal protein L36; RPMJ; BRIP1; L36mt; PRPL36; MRP-L36; 39S ribosomal protein L36, mitochondrial; BRCA1-interacting protein 1; mitochondrial large ribosomal subunit protein bL36m; putative BRCA1-interacting protein
Gene ID	64979
mRNA Refseq	NM_032479
Protein Refseq	NP_115868
MIM	611842
UniProt ID	Q9P0J6

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