

Recombinant Human MRPL36 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MRPL36-972H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MRPL36 MS Standard C13 and N15-labeled recombinant protein (NP_115868) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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	11.8 kDa
AA Sequence	MANLFIRKMTVNPLLYLSRHTVKPRALSTFLFGSIRGAAPVAVEPGAAVRSLSPGLLP HLLPALGFKNKTVLKKRCKDCYLVKRRGRWYVYCKTHPRHKQRQMTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

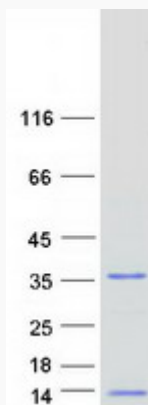
GENE INFORMATION

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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SDS-PAGE

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