

Recombinant Full Length Human MRPL36 Protein, GST-tagged

Cat. No. MRPL36-6456HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL36 full-length ORF (BAG34939.1, 1 a.a. - 103 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	103 amino acids
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. [provided by RefSeq]
Molecular Mass	37.73 kDa
AA Sequence	MANLFIRKVMVNPLLYLSRHTVKPRALSTFLFGSIRGAAPVAVEPGAAVRSLSPGLLP HLLPALGFKNKTVLKKRCKDCYLVKRRGRWYVYCKTHPRHKQRQM

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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