

Recombinant Human MRPL36 Protein, GST-tagged

Cat. No. MRPL36-5579H **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	Wheat Germ
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	MANLFIRKMVNPLLYLSRHTVKPRALSTFLFGSIRGAAPVAVEPGA AVRSLSPGLLP HLLPALGFKNKTVLKKRCKDCYLVKRRGRWYVYCKTHPRHKQRQM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	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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