

Recombinant Full Length Human MRPS36 Protein, GST-tagged

Cat. No. MRPS36-6507HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS36 full-length ORF (NP_150597.1, 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. The mitochondrial ribosome (mitoribosome) consists 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 28S subunit protein. Pseudogenes corresponding to this gene are found on chromosomes 3p, 4q, 8p, 11q, 12q, and 20p. [provided by RefSeq]
Molecular Mass	37.9 kDa
AA Sequence	MMGSKMASASRVVQVVKPHTPLIRFPDRRDNPKNVSEALRSAGLPSSHSSVISQHS KGSKSPDLLMYQGPPDTAEIIKTLPQKYRRKLVSQEEMEFIQRGGPE

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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	MRPS36 mitochondrial ribosomal protein S36 [Homo sapiens]
Official Symbol	MRPS36
Synonyms	MRPS36; mitochondrial ribosomal protein S36; 28S ribosomal protein S36, mitochondrial; DC47; MRP S36; S36mt; MRP-S36; MGC22896;
Gene ID	92259
mRNA Refseq	NM_033281
Protein Refseq	NP_150597
MIM	611996
UniProt ID	P82909

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