

Recombinant Human MRPS36 Protein, GST-tagged

Cat. No. MRPS36-5623H **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	Wheat Germ
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	MMGSKMASASRVVQVVKPHTPLIRFPDRRDNPKNVSEALRSAGLPSHSSVISQHS KGSKSPDLLMYQGPPDTAEIIKTLPQKYRRKLVSQEEMEFIQRGGPE
Applications	Enzyme-linked Immunoabsorbent Assay

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	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.

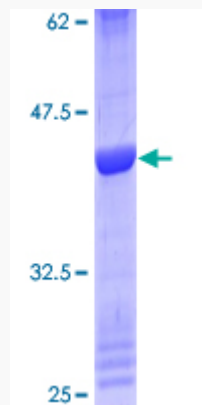
GENE INFORMATION

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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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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