

Recombinant Full Length Human MRPS24 Protein, GST-tagged

Cat. No. MRPS24-6489HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS24 full-length ORF (NP_114403.1, 1 a.a. - 167 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	167 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 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 11. [provided by RefSeq]
Molecular Mass	45.4 kDa
AA Sequence	MAASVCSGLLGPRVLSWSRELPCAWRALHTSPVCAKNRAARVRVSKGDKPVTYEE AHAPHYIAHRKGWLSLHTGNLDGEDHAAERTVEDVFLRKFMWGTFFPGCLADQLVLK RRGNQLEICAVVLRQLSPHKYYFLVGYSSETLLSYFYKCPVRLHLQTVPSKVYKYL

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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	MRPS24 mitochondrial ribosomal protein S24 [Homo sapiens]
Official Symbol	MRPS24
Synonyms	MRPS24; mitochondrial ribosomal protein S24; 28S ribosomal protein S24, mitochondrial; HSPC335; MRP S24; mitochondrial 28S ribosomal protein S24; S24mt; bMRP47; MRP-S24; bMRP-47;
Gene ID	64951
mRNA Refseq	NM_032014
Protein Refseq	NP_114403
MIM	611986
UniProt ID	Q96EL2

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