

Recombinant Full Length Human MRPL23 Protein, GST-tagged

Cat. No. MRPL23-6415HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL23 full-length ORF (AAH27710, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	153 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. The gene is biallelically expressed, despite its location within a region of imprinted genes on chromosome 11. [provided by RefSeq]
Molecular Mass	42.68 kDa
AA Sequence	MARNVVYPLYRLGGPQLRVFRTNFFIQLVRPGVAQPEDTVQFRIPMEMTRVDLRNY LEGIYNVPVAAVRTRVQHGSNKRRDHRNVRIKKPDYKVAYVQLAHGQTFTFPDLFP

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EKDESPEGSAADDLYSMLEEEERQQRQSSDPRRGVPSWFGL

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

MRPL23 mitochondrial ribosomal protein L23 [Homo sapiens]

Official Symbol

MRPL23

Synonyms

MRPL23; mitochondrial ribosomal protein L23; RPL23L; 39S ribosomal protein L23, mitochondrial; L23MRP; L23mt; MRP-L23; L23 mitochondrial-related protein; ribosomal protein related to L23 (mitochondrial); RPL23; FLJ45387;

Gene ID

6150

mRNA Refseq

NM_021134

Protein Refseq

NP_066957

MIM

600789

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UniProt ID

Q16540

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