

# Recombinant Full Length Human MRPL23 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human MRPL23 full-length ORF ( AAH27710, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	153 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	42.68 kDa
<b>AA Sequence</b>	MARNVVYPLYRLGGPQLRVFRTNFFIQLVRPGVAQPEDTVQFRIPMEMTRVDLRNY LEGIYNVPVAAVRTRVQHGSNKRRDHRNVRIKKPDYKVAYVQLAHGQTFTFPDLFP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EKDESPEGSAADDLYSMLEEERQQRQSSDPRRGGVPSWFGL

**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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID

Q16540

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA