

# Recombinant Full Length Human MRPL3 Protein, GST-tagged

Cat. No. MRPL3-6436HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MRPL3 full-length ORF ( NP_009139.1, 1 a.a. - 348 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>	348 amino acids
<b>Description</b>	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 that belongs to the L3P ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 13q. [provided by RefSeq]
<b>Molecular Mass</b>	65 kDa
<b>AA Sequence</b>	MPGWRLLTQVGAQVLGRLGDGLGAALGPGNRTHIWL FVRGLHGKSGTWWDEHLS EENVVPIKQLVSDDEK AQLASKLCPLKDEPWPIHPWEPGSFRVGLIALKLGMMPLWT

 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

KDGQKHVVTLQVQDCHVLKYTSKENCNGKMATLSVGGKTVSRFRKATSILEFYRE  
 LGLPPKQTVKIFNITDNAAIKPGTPLYAAHFRPGQYVDVTAKTIGKGFQGVMKRWGF  
 KGQPATHGQTKTHRRPGAVATGDIGRVWPGTKMPGKMGNIYRTEYGLKVWRINTK  
 HNIIYVNGSVPGHKNCLVKVKDSKLPAYKDLGKNLPPFTYFPDGDEEELPEDLYDEN  
 VCQPGAPSITFA

**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** [MRPL3 mitochondrial ribosomal protein L3 \[ Homo sapiens \]](#)

**Official Symbol** [MRPL3](#)

**Synonyms** MRPL3; mitochondrial ribosomal protein L3; RPML3; 39S ribosomal protein L3, mitochondrial; MRL3; L3mt; MRP-L3; mitochondrial 60S ribosomal protein L3; COXPD9;

**Gene ID** [11222](#)

**mRNA Refseq** [NM\\_007208](#)

 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



<b>Protein Refseq</b>	NP_009139
<b>MIM</b>	607118
<b>UniProt ID</b>	P09001

 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