

# Recombinant Full Length Human MRPS9 Protein, GST-tagged

Cat. No. MRPS9-6511HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human MRPS9 full-length ORF ( NP_872578.1, 1 a.a. - 396 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>	396 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 28S subunit protein. [provided by RefSeq]
<b>Molecular Mass</b>	72.2 kDa
<b>AA Sequence</b>	MAAPCVSYGGAVSYRLLLWGRGSLARKQGLWKTAAPELQTNVRSQILRLRHTAFVI PKKNVPTSKRETYTEDFIKKQIEEFNIGKRHLANMMGEDPETFTQEDIDRAIAYLFPS GLFEKRARPVMKHPEQIFPRQRAIQWGEDGRPFHYLFYTGKQSYYSMLMHDVYGML LNLEKHQSHLQAKSLLPEKTVTRDVGSRWLIKEELEMLVEKLSDDL DYM QFIRLLEK

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

LLTSQCGAAEEEFVQRFRRSVTLESKKQLIEPVQYDEQGMFAFSKSEGKRKTAKAEAI  
 VYKHGSGRIKVNIDYQLYFPITQDREQLMFPFHFVDRLGKHDVTCTVSGGGRSAQ  
 AGAIRLAMAKALCSFVTEDEVEWMRQAGLLTTDPRVRERKKPGQEGARRKFTWKK  
 R

**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** [MRPS9 mitochondrial ribosomal protein S9 \[ Homo sapiens \]](#)

**Official Symbol** [MRPS9](#)

**Synonyms** MRPS9; mitochondrial ribosomal protein S9; 28S ribosomal protein S9, mitochondrial;  
 28S ribosomal protein S9; mitochondrial; MRP S9; RPMS9; S9mt; MRP-S9;

**Gene ID** [64965](#)

**mRNA Refseq** [NM\\_182640](#)

**Protein Refseq** [NP\\_872578](#)

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**MIM** 611975

**UniProt ID** P82933

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