

Recombinant Full Length Human MRPS9 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human MRPS9 full-length ORF (NP_872578.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	396 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. [provided by RefSeq]
Molecular Mass	72.2 kDa
AA Sequence	MAAPCVSYGGAVSYRLLLWGRGSLARKQGLWKTAAPELQTNVRSQILRLRHTAFVI PKKNVPTSKRETYTEDFIKKQIEEFNIGKRHLANMMGEDPETFTQEDIDRAIAYLFPS GLFEKRARPVMKHPEQIFPRQRAIQWGEDGRPFHYLFYTGKQSYYSMLMHDVYGML LNLEKHQSHLQAKSLLPEKTVTRDVIGSRWLIKEELEEMLVEKLSDLDDYMQFIRLLEK

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LLTSQCGAAEEEFVQRFRRSVTLESKKQLIEPVQYDEQGMFAFSKSEGKRKTAKAEAI
 VYKHGSGRIKVNIDYQLYFPITQDREQLMFPFHFVDRLGKHDVTCTVSGGGRSAQ
 AGAIRLAMAKALCSFVTEDEVEWMRQAGLLTTPRVRRERKKPGQEGARRKFTWKK
 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
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UniProt ID	P82933
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