

Recombinant Human MRPS9 Protein, GST-tagged

Cat. No. MRPS9-5627H **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	Wheat Germ
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 LNLEKHQSHLQAKSLLPEKTVTRDVIGSRWLIKEELEMLVEKLSLDLDYMQFIRLLEK LLTSQCGAAEEEFVQRFRRSVTLESKKQLIEPVQYDEQGMFAFSKSEGKRKTAKAEAI

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	VYKHGSGRIKVNIGIDYQLYFPITQDREQLMFPFHFVDRLGKHDVTCTVSGGGRSAQ 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.

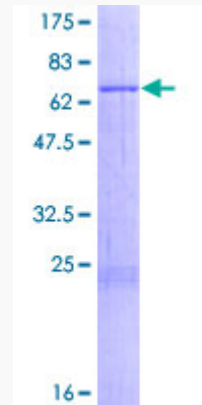
GENE INFORMATION

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
MIM	611975

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UniProt ID**P82933****Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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