

Recombinant Full Length Human MRPS35 Protein, GST-tagged

Cat. No. MRPS35-6506HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS35 full-length ORF (NP_068593.2, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	323 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 that has had confusing nomenclature in the literature. Pseudogenes corresponding to this gene are found on chromosomes 3p, 5q, and 10q. [provided by RefSeq]
Molecular Mass	63.2 kDa
AA Sequence	MAAAALPAWLSLQSRARTLRAFSTAVYSATPVPTPSLPERTPGNERPPRRKALPPR TEKMAVDQDWPSVYPVAAPFKPSAVPLPVRMGYPVKKGVPMKEGNLELLKIPNFL

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HLTPVAIKKHCEALKDFCTEWPAALDSDEKCEKHFPIEIDSTDYVSSGPSVRNPRAR
VVVLRVKLSSLNLDDHAKKKLIKLVGERYCKTTDVLTIKTDRCLRRQNYDYAVYLLT
VLYHESWNTEEWEKSKTEADMEEYIWENSSSERNILETLLQMKA AEKNMEINKEELL
GTKEIEEYKKS VVSLKNEEENENSISQYKESVKRLLNVT

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 MRPS35 mitochondrial ribosomal protein S35 [Homo sapiens]

Official Symbol MRPS35

Synonyms MRPS35; mitochondrial ribosomal protein S35; 28S ribosomal protein S35, mitochondrial; MDS023; MRPS28; S28mt; S35mt; MRP-S35; mitochondrial ribosomal protein S28; 28S ribosomal protein S28, mitochondrial; MRP-S28; HDCMD11P; MGC104278; DKFZp762P093;

Gene ID 60488

mRNA Refseq NM_021821

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Protein Refseq	NP_068593
MIM	611995
UniProt ID	P82673

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