Recombinant Human MRPS35 Protein, GST-tagged

Cat. No. MRPS35-5622H **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	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 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 TEKMAVDQDWPSVYPVAAPFKPSAVPLPVRMGYPVKKGVPMAKEGNLELLKIPNFL HLTPVAIKKHCEALKDFCTEWPAALDSDEKCEKHFPIEIDSTDYVSSGPSVRNPRAR

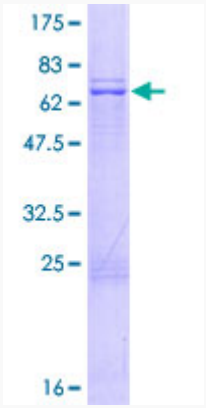
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	VVVLRVKLSSLNLDDHAKKKLIKLVGERYCKTTDVLTIKTDRCPLRRQNYDYAVYLLT VLYHESWNTEEWEKSKTEADMEEYIWENSSSERNILETLLQMKAAEKNMEINKEELL GTKEIEEYKKSVVSLKNEEENENSISQYKESVKRLLNVT
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody 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
Protein Refseq	NP_068593

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MIM	611995
UniProt ID	P82673
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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