Recombinant Human MRPS2 Protein, GST-tagged

Cat. No. MRPS2-5608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS2 full-length ORF (AAH08017, 1 a.a. - 296 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 belongs to the ribosomal protein S2 family. [provided by RefSeq
Molecular Mass	58.3 kDa
AA Sequence	MATSSAALPRILGAGARAPSRWLGFLGKATPRPARPSRRTLGSATALMIRESEDSTD FNDKILNEPLKHSDFFNVKELFSVRSLFDARVHLGHKAGCRHRFMEPYIFGSRLDHDI IDLEQTATHLQLALNFTAHMAYRKGIILFISRNRQSSYLIGNMARDCGEYAHTRYFRG GMLTNARLLFGPTVRLPDLIIFLHTLNNIFEPHVAVRDAAKMNIPTVGIVDTNCNPCLIT

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	YPVPGNDDSPLAVHLYCRLFQTAITRAKEKRQQVEALYRLQGQKEPGDQGPAHPP GADMSHSL
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	MRPS2 mitochondrial ribosomal protein S2 [Homo sapiens]
Official Symbol	MRPS2
Synonyms	MRPS2; mitochondrial ribosomal protein S2; 28S ribosomal protein S2, mitochondrial; CGI 91; mitochondrial 28S ribosomal protein S2; S2mt; CGI-91; MRP-S2;
Gene ID	51116
mRNA Refseq	NM_016034
Protein Refseq	NP_057118
MIM	611971

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UniProt ID	Q9Y399

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