Recombinant Full Length Human MRPS2 Protein, GST-tagged

Cat. No. MRPS2-6479HF **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	In Vitro Cell Free System
ProteinLength	296 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 belongs to the ribosomal protein S2 family. [provided by RefSeq
Molecular Mass	58.3 kDa
AA Sequence	MATSSAALPRILGAGARAPSRWLGFLGKATPRPARPSRRTLGSATALMIRESEDSTD FNDKILNEPLKHSDFFNVKELFSVRSLFDARVHLGHKAGCRHRFMEPYIFGSRLDHDI IDLEQTATHLQLALNFTAHMAYRKGIILFISRNRQSSYLIGNMARDCGEYAHTRYFRG

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	GMLTNARLLFGPTVRLPDLIIFLHTLNNIFEPHVAVRDAAKMNIPTVGIVDTNCNPCLIT 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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