

Recombinant Full Length Human MRPS17 Protein, GST-tagged

Cat. No. MRPS17-6471HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS17 full-length ORF (AAH54031, 1 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	130 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 S17P family. The encoded protein is moderately conserved between human mitochondrial and prokaryotic ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 1p, 3p, 6q, 14p, 18q, and Xq. [provided by RefSeq
Molecular Mass	40.04 kDa
AA Sequence	MSVVRSSVHARWIVGKVGITKMQKTAKVRVTRLVLDPYLLKYFNKRKTYFAHDALQ

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	QCTVGDIVLLRALPVPRAKHVKHELAEIVFKVGKVIDPVTGKPCAGTTYLESPLSSET TQLSKNLEELNISSAQ
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	MRPS17 mitochondrial ribosomal protein S17 [Homo sapiens]
Official Symbol	MRPS17
Synonyms	MRPS17; mitochondrial ribosomal protein S17; 28S ribosomal protein S17, mitochondrial; 28S ribosomal protein S17; mitochondrial; HSPC011; MRP S17; RPMS17; S17mt; MRP-S17;
Gene ID	51373
mRNA Refseq	NM_015969
Protein Refseq	NP_057053
MIM	611980

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UniProt ID

Q9Y2R5

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