

Recombinant Human MRPS17 Protein, MYC/DDK-tagged

Cat. No. MRPS17-1941H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MRPS17 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
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, Jul 2008].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	14.3 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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Concentration	>50 ug/mL as determined by microplate BCA method
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GENE INFORMATION

Gene Name	MRPS17 mitochondrial ribosomal protein S17 [Homo sapiens]
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Official Symbol	MRPS17
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Synonyms	HSPC011; MRP-S17; RPMS17; S17mt
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Gene ID	51373
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mRNA Refseq	NM_015969
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Protein Refseq	NP_057053
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MIM	611980
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UniProt ID	Q9Y2R5
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