

Recombinant Human MRPS23 Protein, DDK-tagged

Cat. No. MRPS23-1943H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MRPS23 protein, fused to DDK-tagged at C-terminus, was expressed in Insect cells
Species	Human
Source	Insect Cells
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. A pseudogene corresponding to this gene is found on chromosome 7p. [provided by RefSeq, Jul 2008].
Form	50 mM Tris-HCl, pH 8.0, 100 mM glycine, 10% glycerol
Molecular Mass	21.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	MRPS23 mitochondrial ribosomal protein S23 [Homo sapiens]
Official Symbol	MRPS23
Synonyms	CGI-138; HSPC329; MRP-S23
Gene ID	64952
mRNA Refseq	NM_016070.3
Protein Refseq	NP_057154
MIM	611985

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