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MRPS18B Protein (Myc-DYKDDDDK Tag)

20 μg





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Quantity:

-	
Target:	MRPS18B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRPS18B protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	Recombinant human MRPS18B protein expressed in HEK293 cells.
	Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	MRPS18B
Alternative Name:	Mrps18b (MRPS18B Products)
Background:	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

Target Details

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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q.

Molecular Weight:

29.2 kDa

NCBI Accession:

NP_054765

Application Details

Application Notes: Recombinant human proteins can be used for:

Native antigens for optimized antibody production

Positive controls in ELISA and other antibody assays

Comment:

The tag is located at the C-terminal.

Restrictions:

For Research Use only

Handling

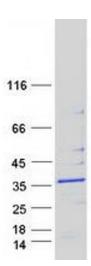
Concentration:	50 μg/mL
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Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze

immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot