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Datasheet for ABIN2726402 MRPS33 Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)

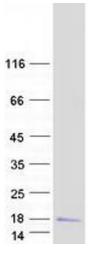


Image

Overview	
Quantity:	20 µg
Target:	MRPS33
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRPS33 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human MRPS33 (transcript variant 2) 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:	MRPS33
Alternative Name:	Mrps33 (MRPS33 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

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	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. The 28S subunit of the mammalian mitoribosome may play a crucial
	and characteristic role in translation initiation. This gene encodes a 28S subunit protein that is
	one of the more highly conserved mitochondrial ribosomal proteins among mammals,
	Drosophila and C. elegans. Splice variants that differ in the 5' UTR have been found for this
	gene all variants encode the same protein. Pseudogenes corresponding to this gene are found
	on chromosomes 1q, 4p, 4q, and 20q
Molecular Weight:	12.4 kDa
NCBI Accession:	NP_444263
Application Details	
Application Notes:	Recombinant human proteins can be used for:
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production
Application Notes:	
Application Notes: Comment:	Native antigens for optimized antibody production
	Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
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Comment: Restrictions: Handling Concentration:	Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays The tag is located at the C-terminal. For Research Use only 50 μg/mL
Comment: Restrictions: Handling Concentration: Buffer:	 Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays The tag is located at the C-terminal. For Research Use only 50 µg/mL 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.



Western Blotting

Image 1. Validation with Western Blot

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