## antibodies

## Datasheet for ABIN2726355 MRPL42 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



Overview

Image

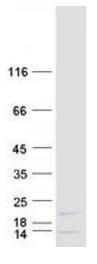
Quantity:	20 µg
Target:	MRPL42
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MRPL42 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human MRPL42 (transcript variant 1) protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	MRPL42
Alternative Name:	Mrpl42 (MRPL42 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
	composition compared to prokaryotic hoosomes, where this ratio is reversed. Another

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## Target Details

	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 protein identified as belonging to both the 28S
	and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes
	corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q.
Molecular Weight:	16.5 kDa
NCBI Accession:	NP_054769
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
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 2.2 fragge they evalue are recommended

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



Western Blotting

Image 1. Validation with Western Blot

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