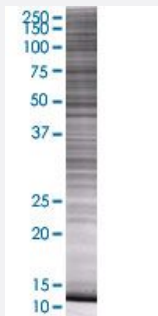


MRPS18B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00028973-T02

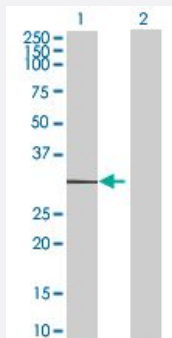
Size 100 uL

Applications



SDS-PAGE Gel

MRPS18B transfected lysate.



Western Blot

Lane 1: MRPS18B transfected lysate (28.49 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPS18B full-length
Host	Human
Theoretical MW (kDa)	28.49
Interspecies Antigen Sequence	Mouse (77); Rat (78)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MRPS18B antibody ([H00028973-B02](#)) by Western Blots.
SDS-PAGE Gel
MRPS18B transfected lysate.
Western Blot
Lane 1: MRPS18B transfected lysate (28.49 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — MRPS18B

Entrez GeneID

[28973](#)

GeneBank Accession#

[NM_014046.2](#)

Protein Accession#

[NP_054765.1](#)

Gene Name

MRPS18B

Gene Alias

C6orf14, DKFZp564H0223, HSPC183, HumanS18a, MRP-S18-2, MRPS18-2, PTD017, S18amt

Gene Description

mitochondrial ribosomal protein S18B

Gene Ontology

[Hyperlink](#)

Gene Summary

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 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. [provided by RefSeq]

Other Designations

OTTHUMP00000029404|mitochondrial ribosomal protein S18-2

Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)