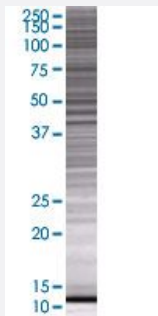


# MRPS9 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00064965-T02

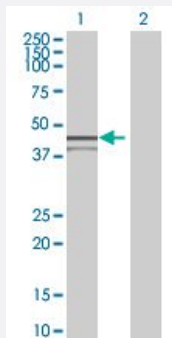
Size 100 uL

## Applications



### SDS-PAGE Gel

MRPS9 transfected lysate.



### Western Blot

Lane 1: MRPS9 transfected lysate ( 43.67 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPS9 full-length
Host	Human
Theoretical MW (kDa)	43.67
Interspecies Antigen Sequence	Mouse (77); Rat (78)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-MRPS9 antibody ([H00064965-B02](#)) by Western Blots.  
SDS-PAGE Gel  
MRPS9 transfected lysate.  
Western Blot  
Lane 1: MRPS9 transfected lysate ( 43.67 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 — MRPS9

**Entrez GeneID**[64965](#)**GeneBank Accession#**[NM\\_182640.1](#)**Protein Accession#**[NP\\_872578.1](#)**Gene Name**

MRPS9

**Gene Alias**

MRP-S9, RPMS9, S9mt

**Gene Description**

mitochondrial ribosomal protein S9

**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. [provided by RefSeq]

**Other Designations**

28S ribosomal protein S9, mitochondrial