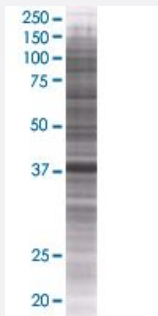


# MRPL38 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00064978-T01

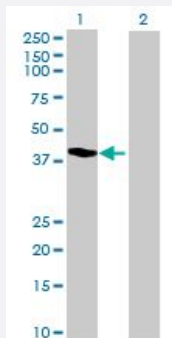
Size 100 uL

## Applications



### SDS-PAGE Gel

MRPL38 transfected lysate.



### Western Blot

Lane 1: MRPL38 transfected lysate ( 40.8 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPL38 full-length
Host	Human
Theoretical MW (kDa)	40.8
Interspecies Antigen Sequence	Mouse (87); Rat (86)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-MRPL38 antibody ([H00064978-B01](#)) by Western Blots.  
SDS-PAGE Gel  
MRPL38 transfected lysate.  
Western Blot  
Lane 1: MRPL38 transfected lysate ( 40.8 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 — MRPL38

**Entrez GeneID**

[64978](#)

**GeneBank Accession#**

[NM\\_032478](#)

**Protein Accession#**

[NP\\_115867](#)

**Gene Name**

MRPL38

**Gene Alias**

HSPC262, MGC4810, MRP-L3, RPML3

**Gene Description**

mitochondrial ribosomal protein L38

**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 28 S 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 39S subunit protein. [provided by RefSeq]

**Other Designations**

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