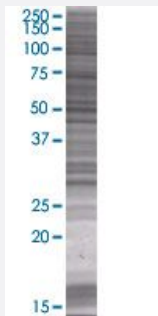


# MRPL46 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00026589-T01

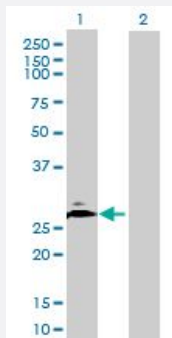
Size 100 uL

## Applications



### SDS-PAGE Gel

MRPL46 transfected lysate.



### Western Blot

Lane 1: MRPL46 transfected lysate ( 31.7 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPL46 full-length
Host	Human
Theoretical MW (kDa)	31.7
Interspecies Antigen Sequence	Mouse (80); Rat (81)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-MRPL46 antibody ([H00026589-B01](#)) by Western Blots.  
SDS-PAGE Gel  
MRPL46 transfected lysate.  
Western Blot  
Lane 1: MRPL46 transfected lysate ( 31.7 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 — MRPL46

**Entrez GeneID**

[26589](#)

**GeneBank Accession#**

[NM\\_022163](#)

**Protein Accession#**

[NP\\_071446](#)

**Gene Name**

MRPL46

**Gene Alias**

C15orf4, LIECG2, MGC22762, P2ECSL

**Gene Description**

mitochondrial ribosomal protein L46

**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**

-

## Disease

- [Tobacco Use Disorder](#)