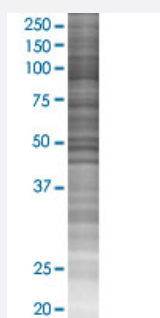


# MRPL43 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00084545-T02

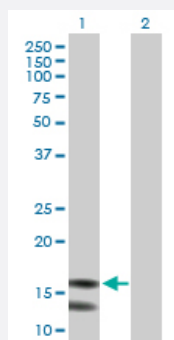
Size 100 uL

## Applications



### SDS-PAGE Gel

MRPL43 transfected lysate.



### Western Blot

Lane 1: MRPL43 transfected lysate ( 17.90 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-MRPL43 full-length

**Host** Human

**Theoretical MW (kDa)** 17.9

**Interspecies Antigen Sequence** Mouse (82)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-MRPL43 antibody ([H00084545-B01P](#)) by Western Blots.  
SDS-PAGE Gel  
MRPL43 transfected lysate.  
Western Blot  
Lane 1: MRPL43 transfected lysate ( 17.90 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 — MRPL43

**Entrez GeneID**

[84545](#)

**GeneBank Accession#**

[NM\\_032112](#)

**Protein Accession#**

[NP\\_115488.2](#)

**Gene Name**

MRPL43

**Gene Alias**

MGC17989, MGC48892, bMRP36a

**Gene Description**

mitochondrial ribosomal protein L43

**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. This gene and the gene for a semaphorin class 4 protein (SEMA4G) overlap at map location 10q24.31 and are transcribed in opposite directions. Sequence analysis identified multiple transcript variants encoding at least four different protein isoforms. [provided by RefSeq]

**Other Designations**

OTTHUMP00000020304|OTTHUMP00000020305|OTTHUMP00000020307|OTTHUMP00000020310|OTTHUMP00000059154

**Disease**

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)