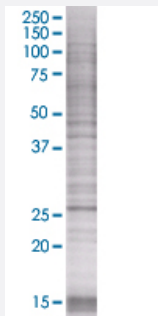


# MRPS23 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00051649-T01

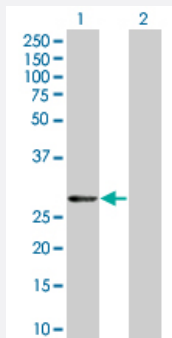
Size 100 uL

## Applications



### SDS-PAGE Gel

MRPS23 transfected lysate.



### Western Blot

Lane 1: MRPS23 transfected lysate ( 21.01 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPS23 full-length
Host	Human
Theoretical MW (kDa)	21.01
Interspecies Antigen Sequence	Mouse (69); Rat (68)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-MRPS23 antibody ([H00051649-B01](#)) by Western Blots.  
SDS-PAGE Gel  
MRPS23 transfected lysate.  
Western Blot  
Lane 1: MRPS23 transfected lysate ( 21.01 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 — MRPS23

**Entrez GeneID**

[51649](#)

**GeneBank Accession#**

[BC000242](#)

**Protein Accession#**

[AAH00242](#)

**Gene Name**

MRPS23

**Gene Alias**

CGI-138, HSPC329, MRP-S23

**Gene Description**

mitochondrial ribosomal protein S23

**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 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 7p. [provided by RefSeq]

**Other Designations**

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## Disease

- [Tobacco Use Disorder](#)