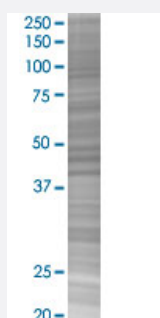


MRPS25 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00064432-T02

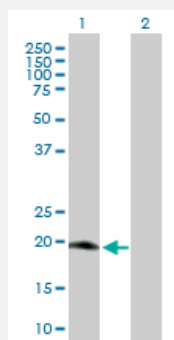
Size 100 uL

Applications



SDS-PAGE Gel

MRPS25 transfected lysate.



Western Blot

Lane 1: MRPS25 transfected lysate (20.10 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPS25 full-length
Host	Human
Theoretical MW (kDa)	20.1
Interspecies Antigen Sequence	Mouse (90); Rat (88)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MRPS25 antibody ([H00064432-B01P](#)) by Western Blots.
SDS-PAGE Gel
MRPS25 transfected lysate.
Western Blot
Lane 1: MRPS25 transfected lysate (20.10 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 — MRPS25

Entrez GeneID

[64432](#)

GeneBank Accession#

[NM_022497](#)

Protein Accession#

[NP_071942.1](#)

Gene Name

MRPS25

Gene Alias

DKFZp313H0817, FLJ00023, MRP-S25, RPMS25

Gene Description

mitochondrial ribosomal protein S25

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 4. [provided by RefSeq]

Other Designations

mitochondrial 28S ribosomal protein S25