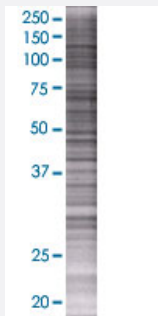


MRPL49 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000740-T01

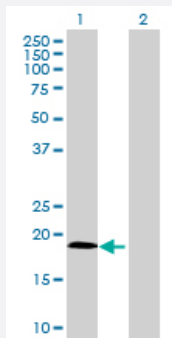
Size 100 uL

Applications



SDS-PAGE Gel

MRPL49 transfected lysate.



Western Blot

Lane 1: MRPL49 transfected lysate (18.37 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPL49 full-length
Host	Human
Theoretical MW (kDa)	18.37
Interspecies Antigen Sequence	Mouse (83); Rat (84)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MRPL49 antibody ([H00000740-B01](#)) by Western Blots.
SDS-PAGE Gel
MRPL49 transfected lysate.
Western Blot
Lane 1: MRPL49 transfected lysate (18.37 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 — MRPL49

Entrez GeneID

[740](#)

GeneBank Accession#

[NM_004927.2](#)

Protein Accession#

[NP_004918.1](#)

Gene Name

MRPL49

Gene Alias

C11orf4, L49mt, MGC10656, NOF, NOF1

Gene Description

mitochondrial ribosomal protein L49

Omim ID

[606866](#)

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 the HRD1 protein use in their respective 3' UTRs some of the same genomic sequence. Pseudogenes corresponding to this gene are found on chromosomes 5q and 8p. [provided by RefSeq]

Other Designations

neighbor of FAU|next to FAU