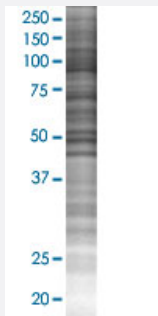


MRPL10 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00124995-T03

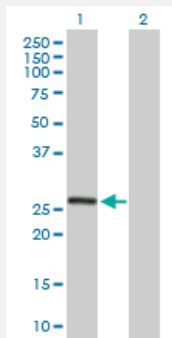
Size 100 uL

Applications



SDS-PAGE Gel

MRPL10 transfected lysate.



Western Blot

Lane 1: MRPL10 transfected lysate (29.30 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPL10 full-length
Host	Human
Theoretical MW (kDa)	29.3
Interspecies Antigen Sequence	Mouse (77); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MRPL10 antibody ([H00124995-B02P](#)) by Western Blots.
SDS-PAGE Gel
MRPL10 transfected lysate.
Western Blot
Lane 1: MRPL10 transfected lysate (29.30 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 — MRPL10

Entrez GeneID[124995](#)**GeneBank Accession#**[NM_145255](#)**Protein Accession#**[NP_660298.2](#)**Gene Name**

MRPL10

Gene Alias

L10MT, MGC17973, MRP-L10, MRP-L8, MRPL8, RPML8

Gene Description

mitochondrial ribosomal protein L10

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. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq]

Other Designations

39S ribosomal protein L10, mitochondrial

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)