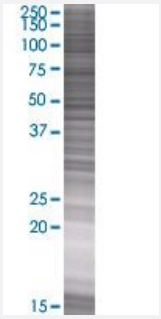
MRPL43 293T Cell Transient Overexpression Lysate(Denatured)

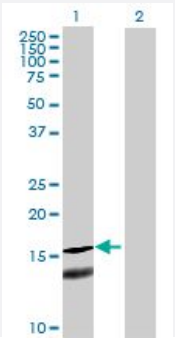
Catalog # H00084545-T01 Size 100 uL

Applications



SDS-PAGE Gel

MRPL43 transfected lysate.



Western Blot

Lane 1: MRPL43 transfected lysate (17.9 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-B01) by W estern Blots. SDS-PAGE Gel MRPL43 transfected lysate. Western Blot Lane 1: MRPL43 transfected lysate (17.9 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% Bro mophenol 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
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 s ynthesis 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 co mpared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mam malian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among diff erent species, the proteins comprising the mitoribosome differ greatly in sequence, and sometim es 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 (SEMA 4G) overlap at map location 10q24.31 and are transcribed in opposite directions. Sequence anal ysis identified multiple transcript variants encoding at least four different protein isoforms. [provide d by RefSeq

Other Designations	OTTHUMP00000020304|OTTHUMP00000020305|OTTHUMP00000020307|OTTHUMP00000020310|OTTHUMP00000059154

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease