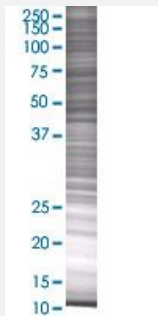


MRPS7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00051081-T01

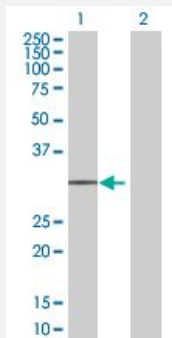
Size 100 uL

Applications



SDS-PAGE Gel

MRPS7 transfected lysate.



Western Blot

Lane 1: MRPS7 transfected lysate (26.73 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MRPS7 full-length
Host	Human
Theoretical MW (kDa)	26.73
Interspecies Antigen Sequence	Mouse (84); Rat (84)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MRPS7 antibody ([H00051081-B01](#)) by Western Blots.
SDS-PAGE Gel
MRPS7 transfected lysate.
Western Blot
Lane 1: MRPS7 transfected lysate (26.73 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 — MRPS7

Entrez GeneID[51081](#)**GeneBank Accession#**[NM_015971.2](#)**Protein Accession#**[NP_057055.1](#)**Gene Name**

MRPS7

Gene Alias

MRP-S, MRP-S7, RP-S7, RPMS7, S7mt, bMRP27a

Gene Description

mitochondrial ribosomal protein S7

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. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p. [provided by RefSeq]

Other Designations

30S ribosomal protein S7 homolog