

## Recombinant Human MRPS9 cell lysate

Cat. No. MRPS9-1137HCL Lot. No. (See product label)

### SPECIFICATION

**Species**

Human

**Description**

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S 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.

**Size**

100 ul

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Applications**

Western Blot;

### GENE INFORMATION

**Gene Name**

MRPS9 mitochondrial ribosomal protein S9 [ Homo sapiens ]

**Official Symbol**

MRPS9

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Synonyms</b>	MRPS9; mitochondrial ribosomal protein S9; 28S ribosomal protein S9, mitochondrial; 28S ribosomal protein S9; mitochondrial; MRP S9; RPMS9; S9mt; MRP-S9;
<b>Gene ID</b>	<a href="#">64965</a>
<b>mRNA Refseq</b>	<a href="#">NM_182640</a>
<b>Protein Refseq</b>	<a href="#">NP_872578</a>
<b>MIM</b>	<a href="#">611975</a>
<b>UniProt ID</b>	<a href="#">P82933</a>
<b>Chromosome Location</b>	2q12.1
<b>Function</b>	structural constituent of ribosome;

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