

Recombinant Human MRPS9 cell lysate

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

SPECIFICATION

Product Overview

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]
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Official Symbol	MRPS9
Synonyms	MRPS9; mitochondrial ribosomal protein S9; 28S ribosomal protein S9, mitochondrial; 28S ribosomal protein S9; mitochondrial; MRP S9; RPMS9; S9mt; MRP-S9;
Gene ID	64965
mRNA Refseq	NM_182640
Protein Refseq	NP_872578
MIM	611975
UniProt ID	P82933
Chromosome Location	2q12.1
Function	structural constituent of ribosome;