

Recombinant Human MRPL1 cell lysate

Cat. No. MRPL1-1132HCL **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 39S subunit protein that belongs to the L1 ribosomal protein family.
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	MRPL1 mitochondrial ribosomal protein L1 [Homo sapiens]
Official Symbol	MRPL1

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Synonyms	MRPL1; mitochondrial ribosomal protein L1; 39S ribosomal protein L1, mitochondrial; BM022; L1MT; MRP-L1; FLJ96680;
Gene ID	65008
mRNA Refseq	NM_020236
Protein Refseq	NP_064621
MIM	611821
UniProt ID	Q9BYD6
Chromosome Location	4q21.1
Function	RNA binding; structural constituent of ribosome;

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