Recombinant Human MRPL1 cell lysate

Cat. No. MRPL1-1132HCL **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 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]

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Official Symbol	MRPL1
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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