

Recombinant Human MRPS10 cell lysate

Cat. No. MRPS10-1134HCL 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 that belongs to the ribosomal protein S10P family. Pseudogenes corresponding to this gene are found on chromosomes 1q, 3p, and 9p.

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

MRPS10 mitochondrial ribosomal protein S10 [Homo sapiens]

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Official Symbol	MRPS10
Synonyms	MRPS10; mitochondrial ribosomal protein S10;
Gene ID	64964

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