

Recombinant Human MRPS18B

Catalog No: #GP13125



Package Size: #GP13125-1 100ug

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Description

Product Name	Recombinant Human MRPS18B
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-258 amino acids of human MRPS18B
Target Name	mitochondrial ribosomal protein S18B
Other Names	PTD017; S18amt; C6orf14; HSPC183; MRPS18-2; HumanS18a; MRP-S18-2
Accession No.	Swissprot:Q9Y676Gene Accession:BC005373
Uniprot	Q9Y676
GeneID	28973;
Storage	-20~-80°C, pH 7.6 PBS

Background

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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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