

Recombinant Human MRPL22

Catalog No: #GP13531



Package Size: #GP13531-1 100ug

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Description

Product Name	Recombinant Human MRPL22
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-206 amino acids of human MRPL22
Target Name	mitochondrial ribosomal protein L22
Other Names	L22mt; RPML25; HSPC158; MRP-L22; MRP-L25
Accession No.	Swissprot:Q9NWU5Gene Accession:BC012565
Uniprot	Q9NWU5
GeneID	29093;
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 39S subunit protein that belongs to the L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene.

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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