

Recombinant Human MRPL12

Catalog No: #GP11763



Package Size: #GP11763-1 100ug

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Description

Product Name	Recombinant Human MRPL12
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 46-198 amino acids of human mitochondrial ribosomal protein L12
Target Name	mitochondrial ribosomal protein L12
Other Names	5c5-2; L12mt; MRPL7; RPML12; MRPL7/L12; MRP-L31/34
Accession No.	Swissprot:P52815Gene Accession:BC002344
Uniprot	P52815
GenID	6182;
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.?

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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