

Recombinant Human MRPL1

Catalog No: #GP12915



Package Size: #GP12915-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human MRPL1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 51-325 amino acids of human MRPL1
Target Name	mitochondrial ribosomal protein L1
Other Names	L1MT; BM022; MRP-L1
Accession No.	Swissprot:Q9BYD6Gene Accession:BC014356
Uniprot	Q9BYD6
GeneID	65008;
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 L1 ribosomal protein family.?

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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