

Recombinant Human MRPL40

Catalog No: #GP13532



Package Size: #GP13532-1 100ug

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Description

Product Name	Recombinant Human MRPL40
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 1-206 amino acids of human MRPL40
Target Name	mitochondrial ribosomal protein L40
Other Names	URIM; L40mt; NLVCF; MRPL22; MRP-L22; MRP-L40
Accession No.	Swissprot:Q9NQ50Gene Accession:BC009707
Uniprot	Q9NQ50
GeneID	64976;
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. Deletions in this gene may contribute to the etiology of velo-cardio-facial syndrome and DiGeorge syndrome.

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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