

# Recombinant Human MRPL42

Catalog No: #GP13485



Package Size: #GP13485-1 100ug

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## Description

Product Name	Recombinant Human MRPL42
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 33-142 amino acids of human MRPL42
Target Name	mitochondrial ribosomal protein L42
Other Names	L31MT; L42MT; S32MT; MRPL31; MRPS32; PTD007; RPML31; HSPC204; MRP-L31; MRP-L42; MRP-S32
Accession No.	Swissprot:Q9Y6G3Gene Accession:BC040240
Uniprot	Q9Y6G3
GeneID	28977;
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 protein identified as belonging to both the 28S and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q.

## 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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