

MRPL20 抗原（重组蛋白）

中文名称：MRPL20 抗原（重组蛋白）

英文名称：MRPL20 Antigen (Recombinant Protein)

别名：mitochondrial ribosomal protein L20; L20mt; MRP-L20

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 46-149 amino acids of human MRPL20

技术规格

Full name:	mitochondrial ribosomal protein L20
Synonyms:	L20mt; MRP-L20
Swissprot:	Q9BYC9
Gene Accession:	BC009515
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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. A pseudogene corresponding to this gene is

found on chromosome 21q. Alternative splicing results in multiple transcript variants encoding different isoforms.