

MRPL50 抗原（重组蛋白）

中文名称：MRPL50 抗原（重组蛋白）

英文名称：MRPL50 Antigen (Recombinant Protein)

别名：MRP-L50

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 1-158 amino acids of human MRPL50

技术规格：

Full name:	mitochondrial ribosomal protein L50
Synonyms:	MRP-L50
Swissprot:	Q8N5N7
Gene Accession:	BC032008
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 mitochondrial ribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a putative 39S subunit protein and belongs to the L47P ribosomal protein family. Pseudogenes corresponding to this gene are found on chromosomes 2p, 2q, 5p, and 10q.