

MRPS24 抗原（重组蛋白）

中文名称：MRPS24 抗原（重组蛋白）

英文名称：MRPS24 Antigen (Recombinant Protein)

别名：S24mt; bMRP47; HSPC335; MRP-S24; bMRP-47

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 1-167 amino acids of human MRPS24

技术规格

Full name:	mitochondrial ribosomal protein S24
Synonyms:	S24mt; bMRP47; HSPC335; MRP-S24; bMRP-47
Swissprot:	Q96EL2
Gene Accession:	BC012167
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 28 S 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 co

ntain 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 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 11. Read-through transcription exists between this gene and the upstream upregulator of cell proliferation (URGCP) gene.