

MRPS18B 抗原（重组蛋白）

中文名称：MRPS18B 抗原（重组蛋白）

英文名称：MRPS18B Antigen (Recombinant Protein)

别名：mitochondrial ribosomal protein S18B; PTD017; S18amt; C6orf14; HSPC183; MRPS18-2; HumanS18a; MRP-S18-2

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 1-258 amino acids of human MRPS18B

技术规格：

Full name:	mitochondrial ribosomal protein S18B
Synonyms:	PTD017; S18amt; C6orf14; HSPC183; MRPS18-2; HumanS18a; MRP-S18-2
Swissprot:	Q9Y676
Gene Accession:	BC005373
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 prokaryoti

c 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 28S subunit protein that belongs to the ribosomal protein S18 P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q.