

## MRPL12 抗原（重组蛋白）

中文名称： MRPL12 抗原（重组蛋白）

英文名称： MRPL12 Antigen (Recombinant Protein)w

别名： mitochondrial ribosomal protein L12; 5c5-2; L12mt; MRPL7; RPML12; MRPL7/L12; MRP-L31/34

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to a region derived from 46-198 amino acids of human MRPL12

### 技术规格

<b>Full name:</b>	mitochondrial ribosomal protein L12
<b>Synonyms:</b>	5c5-2; L12mt; MRPL7; RPML12; MRPL7/L12; MRP-L31/34
<b>Swissprot:</b>	P52815
<b>Gene Accession:</b>	BC002344
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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.