

Datasheet for ABIN5853912  
**MRPL48 Protein (AA 29-212) (His tag)**



[Go to Product page](#)

1 Image

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | MRPL48  |
| Protein Characteristics:      | AA 29-212                                     |
| Origin:                       | Human   |
| Source:                       | Escherichia coli (E. coli)                    |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This MRPL48 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS)                                |

## Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGSSGEKPIY SVGGILLSIS RPYKTKPTHG IGKYKHLIKA  
EEPKKKKGKV EVRAINLGTD YEYGVLNHL TAYDMTLAES YAQYVHNLN SLSIKVEESY  
AMPTKTIEVL QLQDQGSKML LDSVLTTHER VVQISGLSAT FAEIFLEIIQ SSLPEGVRLS  
VKEHTEEDFK GRFKARPELE ELLAKLK

Purity: > 85 % by SDS - PAGE

## Target Details

|                   |   |
|-------------------|---|
| Target:           | MRPL48  |
| Alternative Name: | MRPL48 ( <a href="#">MRPL48 Products</a> )  |
| Background:       | Mammalian mitochondrial ribosomal proteins help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a |

## Target Details

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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 6p. Recombinant human MRPL48 protein, fused to His-tag at N-terminus, was expressed in E.coli.

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Molecular Weight: 23.1 kDa (207aa)

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NCBI Accession: [NP\\_057139](#)

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UniProt: [Q96GC5](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Comment: Denatured

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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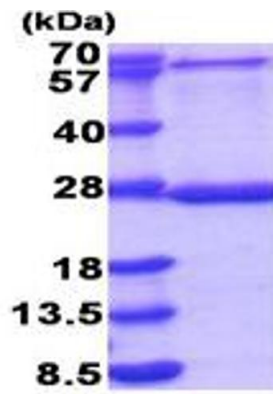
Buffer: Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 10 % glycerol

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.