

# Recombinant human RPS13 protein

Catalog Number: ATGP2079

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-151aa

### UniProt No.

P62277

### NCBI Accession No.

NP\_001008

### Alternative Names

40S ribosomal protein S13, S13

## PRODUCT SPECIFICATION

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### Molecular Weight

19.6 kDa (174aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

### Purity

> 80% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

40S ribosomal protein S13, also known as RPS13, belongs to the ribosomal protein S15P family. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. RPS13 is located in the cytoplasm and contains multiple phosphorylated residues. Like most ribosomal proteins, Ribosomal Protein S13 exists as multiple processed pseudogenes that are scattered throughout the genome. Recombinant human RPS13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGRMHAP GKGLSQSALP YRRSVPTWLK LTSDDVKEQI YKLAKKGLTP  
SQIGVILRDS HGVAQVRFVT GNKILRILKS KGLAPDLPED LYHLLIKKAVA VRKHLERNRK DKDAKFRLIL IESRIHRLAR  
YYKTKRVLPP NWKYESSTAS ALVA

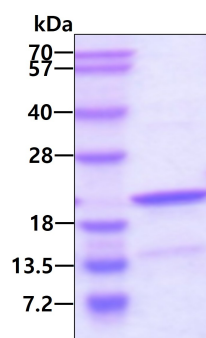
## General References

Shi Y., et al. (2004) Exp Cell Res. 296:337-346  
Malygin A., et al. (2005) Biochim Biophys Acta. 1747:93-97.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.