

# Recombinant human RPS14 protein

Catalog Number: ATGP0925

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-151aa

### UniProt No.

P62263

### NCBI Accession No.

NP\_001020242.1

### Alternative Names

40S ribosomal protein S14, EMTB

## PRODUCT SPECIFICATION

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### Molecular Weight

18.7 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 1mM DTT, 40% glycerol, 100mM NaCl

### Purity

> 90% 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

Ribosomal protein S14, also known as RPS14, is a ribosomal protein. Ribosomes, the organelles that catalyze protein synthesis, are composed of a small subunit and a large subunit that consist of over 80 distinct ribosomal proteins. RPS14 is a component of the 40S subunit that localized to the cytoplasm. Recombinant human RPS14 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>MAPRKGK EKKEEQVISL GPQVAEGENV FGVCHIFASF NDTFVHVTDL  
SGKETICRVT GGMKVKADRD ESSPYAAMLA AQDVAQRCKE LGITALHIKL RATGGNRTKT PGPGAQSALR ALARSGMKIG  
RIEDVTPIPS DSTRKGGRR GRRL

## General References

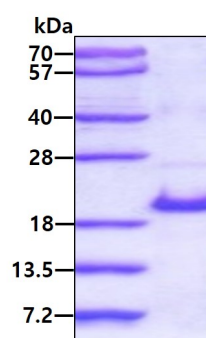
Martin Nieto J., et al. (1997) J Cell Sci. 110:955-963.

Figueroa P., et al. (2000) Biochem Biophys Res Commun. 271:380-385.

## DATA

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### SDS-PAGE



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