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## Recombinant human RPS14 protein

Catalog Number: ATGP0925

#### **PRODUCT INFORMATION**

#### **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

#### **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**

#### **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**

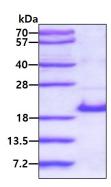
<MGSSHHHHHH SSGLVPRGSH MGS>MAPRKGK EKKEEQVISL GPQVAEGENV FGVCHIFASF NDTFVHVTDL SGKETICRVT GGMKVKADRD ESSPYAAMLA AQDVAQRCKE LGITALHIKL RATGGNRTKT PGPGAQSALR ALARSGMKIG RIEDVTPIPS DSTRRKGGRR GRRL

#### **General References**

Martin Nieto J., et al. (1997) J Cell Sci. 110:955-963. Fiqueroa P., et al. (2000) Biochem Biophys Res Commun. 271:380-385.

### **DATA**

#### **SDS-PAGE**



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

