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# Recombinant human RPS13 protein

Catalog Number: ATGP2079

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-151aa

#### **UniProt No.**

P62277

#### **NCBI Accession No.**

NP 001008

#### **Alternative Names**

40S ribosomal protein S13, S13

#### **PRODUCT SPECIFICATION**

#### **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**

#### **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**

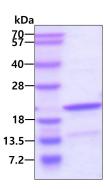
<MGSSHHHHHH SSGLVPRGSH MGS>MGRMHAP GKGLSQSALP YRRSVPTWLK LTSDDVKEQI YKLAKKGLTP SQIGVILRDS HGVAQVRFVT GNKILRILKS KGLAPDLPED LYHLIKKAVA VRKHLERNRK DKDAKFRLIL IESRIHRLAR YYKTKRVLPP NWKYESSTAS ALVA

#### **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**

#### **SDS-PAGE**



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

