

# Recombinant human RPS18 protein

Catalog Number: ATGP2380

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-152aa

### UniProt No.

P62269

### NCBI Accession No.

NP\_072045

### Alternative Names

40S ribosomal protein S18, D6S218E, HKE3, KE-3, KE3, S18

## PRODUCT SPECIFICATION

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### Molecular Weight

20.1 kDa (175aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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 S18, also known as RPS18, belongs to the ribosomal protein S13P family. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. RPS18 is a known binding partner of Cofilin and has been suggested to be a novel substrate for CaMKII. Recombinant human RPS18 protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MSLVIPE KFQHILRVLN TNIDGRRKIA FAITAIKGVG RRYAHVVLRLK ADIDLTKRAG

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ELTEDEVERV ITIMQNPRQY KIPDWFLNRQ KDVKDGKYSQ VLANGLDNKL REDLERLKKI RAHRGLRHFW GLRVRGQHTK  
TTGRRGRTVG VSKKK

## General References

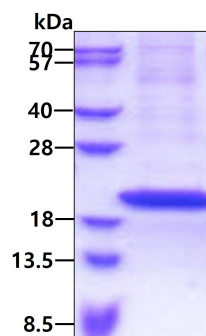
Chan Y., et al. (1991) Biochem Biophys Res Commun. 178:1212-1218.

Mishra Gorur K., et al. (2002) J Biol Chem. 277:33537-33540.

## DATA

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### SDS-PAGE



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