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Recombinant human RPS18 protein

Catalog Number: ATGP2380

PRODUCT INFORMATION

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

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

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 SSGLVPRGSH MGS>MSLVIPE KFOHILRVLN TNIDGRRKIA FAITAIKGVG RRYAHVVLRK ADIDLTKRAG



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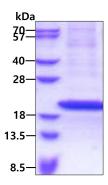
ELTEDEVERV ITIMQNPRQY KIPDWFLNRQ KDVKDGKYSQ VLANGLDNKL REDLERLKKI RAHRGLRHFW GLRVRGQHTK TTGRRGRTVG VSKKK

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

SDS-PAGE



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

