Recombinant human RPS2 protein

Catalog Number: ATGP2389

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-293aa

UniProt No.
P15880

NCBI Accession No.
NP_002943

Alternative Names
40S ribosomal protein S2, Ribosomal protein S2, LLREP3, S2

PRODUCT SPECIFICATION

Molecular Weight
33.7 kDa (316aa)

Concentration
1mg/ml (determined by Bradford assay)

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

Purity
> 85% 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
Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPS2 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S5P family of ribosomal proteins. It is located in the cytoplasm. This gene shares sequence similarity with mouse LLRep3. It is co-transcribed with the small nucleolar RNA gene u64, which is located in its third intron. Recombinant human RPS2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

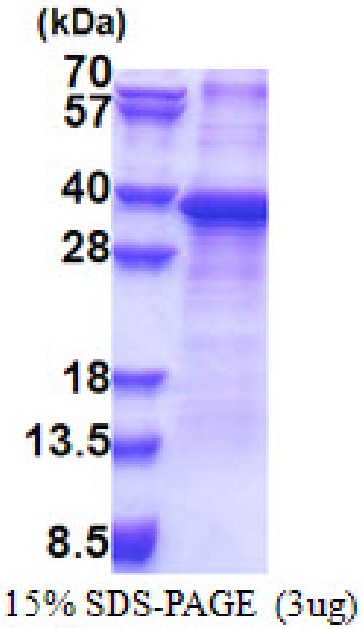
MGSSHHHHHH SSGLVPRGSH MGSMADDAGA AGGPGGPGGP GMGNRGGFRG GFGSGIRGRG RGRGRGRGRG RGARGGKAED KEWMPVTKLG RLVKDMKIKS LEEIYLFSLP IKESEIIDFF LGASLKDEVL KIMPVQKQTR AGQRTRFKAF VAIGDYNGHV GLGVKCSKEV ATAIRGAIIL AKLSIVPVRR GYWGNKIGKP HTVPCKVTGR CGSVLVRLIP APRGTGIVSA PVPKKLLMMA GIDDCYTSAR GCTATLGNFA KATFDAISKT YSYLTPDLWK ETVFTKSPYQ EFTDHLVKTH TRVSVQRTQA PAVATT

General References

Kenmochi N, Kawaguchi T. et al. (1998). Genome Res 8 (5): 509-23

DATA

SDS-PAGE



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