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Datasheet for ABIN5853321

RPS2 Protein (AA 1-293) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	RPS2
Protein Characteristics:	AA 1-293
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGSMADDAGA AGGPGGPGGP GMGNRGGFRG GFGSGIRGRG
RGRGRGRGRG RGARGGKAED KEWMPVTKLG RLVKDMKIKS LEEIYLFSLP IKESIIDFF
LGASLKDEVL KIMPVQKQTR AGQRTRFKAF VAIGDYNGHV GLGVKCSKEV ATAIRGAIL
AKLSIVPVRG GYWGNKIGKP HTPVCKVTGR CGSVLRLIP APRGTGIVSA PVPKLLMMA
GIDDCYTSAR GCTATLGNFA KATFDAISKY YSYLTPDLWK ETVFTKSPYQ EFTDHLVKTH
TRVSVQRTQA PAVATT

Purity: > 85 % by SDS - PAGE

Target Details

Target:	RPS2
Alternative Name:	RPS2 (RPS2 Products)

Target Details

Background: 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 .

Molecular Weight: 33.7 kDa (316aa)

NCBI Accession: [NP_002943](#)

UniProt: [P15880](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [Ribosome Assembly](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

Handling

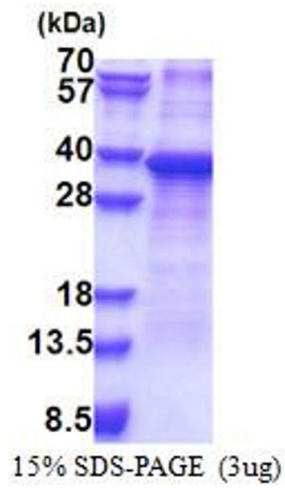
Format: Liquid

Concentration: 1.0 mg/mL

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

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.