

Recombinant human RPS20 protein

Catalog Number: ATGP2469

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-142aa

UniProt No.

P60866

NCBI Accession No.

NP_001139699

Alternative Names

40S ribosomal protein S20 isoform 1, S20

PRODUCT SPECIFICATION

Molecular Weight

18.4 kDa (165aa) 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, 1mM EDTA

Purity

> 85% 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

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. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S10P family of ribosomal proteins. It is located in the cytoplasm. This gene is co-transcribed with the small nucleolar RNA gene u54, which is located in its second intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Two transcript

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variants encoding different isoforms have been identified for this gene. Recombinant human RPS20 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAFKDTG KTPVEPEVAI HRIRITLTSR NVKSLEKVCA DLIRGAKEKN
LKVKGPVRMP TKTLRITTRK TPCGEGSKTW DRFQMRIHKR LIDLHSPSEI VKQITSISIE PGVELIESTD AEPMDTEGQQ
YTLRSVFESP GTCPF

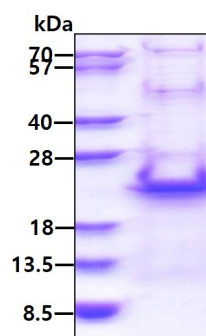
General References

Yoshihama M., et al (2002). Genome Res. 12:379-390

Kenmochi N., et al (1998). Genome Res. 8:509-523

DATA

SDS-PAGE



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