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AR51159PU-S Human RPL35A (1-110, His-tag) - Purified

Alternate names: 60S ribosomal protein L35a, Cell growth-inhibiting gene 33 protein, GIG33

Quantity: 0.1 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

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. RPL35A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L35AE family of ribosomal proteins. It is located in the cytoplasm. The rat protein has been shown to bind to both initiator and elongator tRNAs, and thus, it is located at the P site, or P and A sites, of the ribosome. Although this gene was originally mapped to chromosome 18, it has been established that it is located at 3q29-qter. Transcript variants utilizing alternative transcription initiation sites and alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Uniprot ID: P18077

NCBI: NP_000987

GeneID: 6165

Species: Human

Source: E. coli

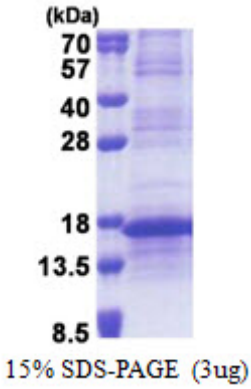
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description: Recombinant human RPL35A protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMSGRLWS KAIFAGYKRG LRNQREHTAL LKIEGVYARD ETEFYLGKRC AYVYKAKNNT VTPGGKPNKT RVIWGKVTRA HGNSGMVRAK FRSNLPAKAI GHRIRVMLYP SRI
Molecular weight: 14.9 kDa (133aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Lopez CD, Martinovsky G, et al. (2002). Cancer Lett. 180(2):195-202.

Pictures:



15% SDS-PAGE (3ug)