Recombinant human RPL35A protein

Catalog Number: ATGP2335

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-110aa

UniProt No.
P18077

NCBI Accession No.
NP_000987

Alternative Names
60S ribosomal protein L35a

PRODUCT SPECIFICATION

Molecular Weight
14.9 kDa (133aa)

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
> 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. 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

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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. Recombinant human RPL35A protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

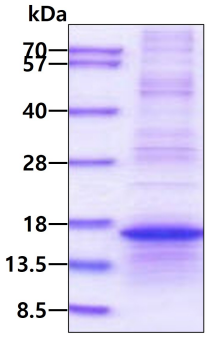
<MGSSHHHHHH SSGLVPRGSH MGS>MSGRLWS KAIFAGYKRG LRNQREHTAL LKIEGVYARD ETEFYLGKRC AYVYKAKNNT VTPGGKPNKT RVIWGKVTRA HGNSGMVRAK FRSNLPAKAI GHRIRVMLYP SRI

General References

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

DATA

SDS-PAGE



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