Recombinant human RPL34 protein

Catalog Number: ATGP2336

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-117aa

UniProt No.
P49207

NCBI Accession No.
NP_296374

Alternative Names
60S ribosomal protein L34, L34

PRODUCT SPECIFICATION

Molecular Weight
15.7 kDa (140aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M NaCl, 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. This gene encodes a ribosomal protein that is a component of the 60S subunit. RPL34 belongs to the L34E family of ribosomal proteins. It is located in the cytoplasm. This gene originally was thought to be located at 17q21, but it has been mapped to 4q. Transcript variants derived from alternative splicing, alternative transcription initiation sites, and/or alternative polyadenylation exist; these variants encode the same protein. As

is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Recombinant human RPL34 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

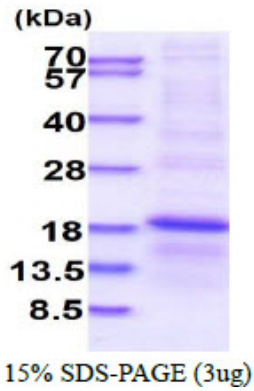
MGSSHHHHHH SSGLVPRGSH MGSMVQRLTY RRRLSYNTAS NKTRLSRTPG NRIVYLYTKK VGKAPKSACG VCPGRLRGVR AVRPKVLMRL SKTKKHVSRA YGGSMCAKCV RDRIKRAFLI EEQKIVVKVL KAQAQSQKAK

General References

Dai Z., et al. (1996) Plant Mol Biol. 32(6):1055-65
Niu LL., et al. (2002) J Insect Physiol. 48(9):835-843..

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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