

Recombinant Human RPL34, His-tagged

Cat. No. RPL34-2336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPL34 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	140aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M NaCl, 10% glycerol
Molecular Mass	15.7 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVQRLTY RRRLSYNTAS NKTRLSRTPG

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NRIVYLYTKK VGKAPKSACG VCPGRLRGVR AVRPKVLMLRLSKTKKHVSRA
YGGSMCAKCV RDRIKRAFLI EEQKIVVKVL KAQAQSQKAK

Purity >85% by SDS - PAGE

Applications SDS-PAGE

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

Concentration 1 mg/ml

GENE INFORMATION

Gene Name RPL34 ribosomal protein L34 [Homo sapiens]

Official Symbol RPL34

Synonyms L34; ribosomal protein L34; 10340; Ensembl:ENSG00000109475; MGC111005; 60S ribosomal protein L34; leukemia-associated protein;

Gene ID 6164

mRNA Refseq NM_000995.3

Protein Refseq NP_000986.2

UniProt ID P49207

Chromosome Location 4q25

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Pathway

Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem;

Function

RNA binding; structural constituent of ribosome;

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