

## Recombinant Human RPL35A, His-tagged

Cat. No. RPL35A-2335H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human RPL35A protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	133aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
<b>Molecular Mass</b>	14.9 kDa

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<b>AA Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSMSGRLWS KAIFAGYKRG LRNQREHTAL LKIEGVYARD ETEFYLGKRC AYVYKAKNNT VTPGGKPNKTRVIWGKVTRA HGNSGMVRAK FRSNLPAKAI GHRIRVMLYP SRI
<b>Purity</b>	>85% by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	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.
<b>Concentration</b>	0.5 mg/ml
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">RPL35A ribosomal protein L35a [ Homo sapiens ]</a>
<b>Official Symbol</b>	RPL35A
<b>Synonyms</b>	DBA5; L35A; ribosomal protein L35a; 10345; Ensembl:ENSG00000182899; 60S ribosomal protein L35a; cell growth-inhibiting gene 33 protein;
<b>Gene ID</b>	<a href="#">6165</a>
<b>mRNA Refseq</b>	<a href="#">NM_000996.2</a>
<b>Protein Refseq</b>	<a href="#">NP_000987.2</a>
<b>MIM</b>	<a href="#">180468</a>
<b>UniProt ID</b>	<a href="#">P18077</a>

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<b>Chromosome Location</b>	3q29
<b>Pathway</b>	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;
<b>Function</b>	structural constituent of ribosome; tRNA binding;

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