Recombinant Human ribosomal protein L11, His-tagged

Cat. No. RPL11-266H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPL11, 1-178aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-178 a.a.
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. RPL11 is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L5P family of ribosomal proteins. It is located in the cytoplasm. The protein probably associates with the 5S rRNA. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Recombinant human RPL11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 1mM DTT, 2mM EDTA, 250mM Imidazole
Molecular Mass	22.6kDa (201aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAQDQGE KENPMRELRI RKLCLNICVG

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	ESGDRLTRAA KVLEQLTGQT PVFSKARYTV RSFGIRRNEK IAVHCTVRGA KAEEILEKGL KVREYELRKN NFSDTGNFGF GIQEHIDLGI KYDPSIGIYG LDFYVVLGRP GFSIADKKRR TGCIGAKHRI SKEEAMRWFQ QKYDGIILPG K
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by BRADFORD assay)

GENE INFORMATION

Gene Name	RPL11 ribosomal protein L11 [Homo sapiens]
Official Symbol	RPL11
Synonyms	RPL11; ribosomal protein L11; 60S ribosomal protein L11; L11; CLL-associated antigen KW-12; cell growth-inhibiting protein 34; DBA7; GIG34;
Gene ID	6135
mRNA Refseq	NM_000975
Protein Refseq	NP_000966
MIM	604175
UniProt ID	P62913
Chromosome Location	1p36.1-p35

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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; protein binding; rRNA binding; structural constituent of ribosome; structural constituent of ribosome;

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