

Recombinant human RPL31, His-tagged

Cat. No. RPL31-2433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPL31 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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. The protein belongs to the L31E family of ribosomal proteins. It is located in the cytoplasm. Higher levels of expression of this gene in familial adenomatous polyps compared to matched normal tissues have been observed. 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 0.2M NaCl, 50% glycerol, 1mM DTT
Molecular Mass	16.9 kDa (148aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAPAKKG GEKKKGRSAI NEVV TREYTI NIHKRIHGVG FKKRAPRALK EIRKFAMKEM GTPDVRIDTRLNKAVWAKGI RNPYRIRVR LSRKRNEDED SPNKLYTLVT YVPVTTFKNL QTVNV DEN

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Purity	>85% by SDS - PAGE
Applications	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	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RPL31 ribosomal protein L31 [Homo sapiens]
Official Symbol	RPL31
Synonyms	RPL31; ribosomal protein L31; 60S ribosomal protein L31; L31; MGC88191;
Gene ID	6160
mRNA Refseq	NM_000993
Protein Refseq	NP_000984
UniProt ID	P62899
Chromosome Location	2q11.2
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

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Termination, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem;

Function

RNA binding; structural constituent of ribosome; structural constituent of ribosome;

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