

Recombinant Human RPL18A, His-tagged

Cat. No. RPL18A-177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPL18A, 1-176aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-176aa
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. RPL18A is a ribosomal protein that is a component of the 60S subunit. This protein belongs to the L18AE family of ribosomal proteins. It is located in the cytoplasm. RPL18A is co-transcribed with the U68 snoRNA, which is located in its third intron. Recombinant human RPL18A protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	23.2 kDa (199aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMKASGTL REYKVVGRCL PTPKCHTPPL YRMRIFAPNH VVAKSRFWYF VSQ LKKMKKS SGEIVYCGQV FEKSPLRVKN FGIWLRYDSR SGTHNMYREY RDLTTAGAVT QCYRDMGARH RARAHSIQIM KVEEIAASKC RRPVAKQFHD SKIKFPLPHR VLRRQHKPRF TTKRPNTFF

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Purity	>85% 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	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RPL18A ribosomal protein L18a [Homo sapiens]
Official Symbol	RPL18A
Synonyms	RPL18A; ribosomal protein L18a; 60S ribosomal protein L18a; L18A; ribosomal protein L18a like protein; ribosomal protein L18a-like protein;
Gene ID	6142
mRNA Refseq	NM_000980
Protein Refseq	NP_000971
MIM	604178
UniProt ID	Q02543
Chromosome Location	19p13.11
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem;

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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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