

Recombinant Human RPL12, His-tagged

Cat. No. RPL12-7529H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPL12 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
ProteinLength	1-165aa
Antigen 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. RPL12 is a ribosomal protein that is a component of the 60S subunit. This protein belongs to the L11P family of ribosomal proteins. It is located in the cytoplasm. RPL12 binds directly to the 26S rRNA.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	20.2 kDa (188aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHH SSGLVPRGSH GSMPPKFDP NEIKVVYLRC TGGEVGATSA LAPKIGPLGL SPKKVGDDIA KATGDWKGLR ITVKLTIQNR QAQIEVVPSA SALIICALKE PPRDRKKQKN IKHSGNITFD EIVNIARQMR HRSLARELSG TIKEILGTAQ SVGCNVDGRH PHDIIDDINS GAVECPAS

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Purity	>95% as determined 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	0.5 mg/ml

GENE INFORMATION

Gene Name	RPL12 ribosomal protein L12 [Homo sapiens]
Official Symbol	RPL12
Synonyms	RPL12; ribosomal protein L12; 60S ribosomal protein L12; L12;
Gene ID	6136
mRNA Refseq	NM_000976
Protein Refseq	NP_000967
MIM	180475
UniProt ID	P30050
Chromosome Location	9q34
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific

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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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