

Recombinant Human RPL12

Cat. No. RPL12-31150TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RPL12 with N-terminal proprietary tag. Predicted MW 44.22kDa.
Species	Human
Source	Wheat Germ
ProteinLength	165 amino acids
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 L11P family of ribosomal proteins. It is located in the cytoplasm. The protein binds directly to the 26S rRNA. This gene is co-transcribed with the U65 snoRNA, which is located in its fourth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Molecular Weight	44.220kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MPPKFDPNEIKVVYLRCTGGEVGATSALAPKIGPLGLSPK KVGDDIAKATGDWKGL RITVKLTIQNRQAQIEVVPSASAL IIKALKEPPRDRKKQKNIKHSGNITFDEIVNIARQM RHRS LARELSGTIKEILGTAQSVGCNVDGRHPHDIIDDINSGAV ECPAS
Sequence Similarities	Belongs to the ribosomal protein L11P family.
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

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Ribosomal Proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem;

Function

RNA binding; structural constituent of ribosome;

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