

Recombinant Human RPL17

Cat. No. RPL17-30438TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RPL17 with N terminal proprietary tag; Predicted MW 46.35kDa;.
Species	Human
Source	Wheat Germ
ProteinLength	185 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 L22P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL23 because the encoded protein shares amino acid identity with ribosomal protein L23 from <i>Halobacterium marismortui</i>; however, its official symbol is RPL17. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream C18orf32 (chromosome 18 open reading frame 32) gene.
Molecular Weight	46.350kDa inclusive of tags
Tissue specificity	Expressed in pancreas, lung, colon, cystic duct, gall bladder, kidney and liver.

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	Expressed at high levels in the well differentiated pancreatic tumor cell lines HPAF, Colo 357 and Capan-1, the moderately differentiated pancreatic tumor cell lines T3M4, As
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MVRYSLDPEDPTKSCSRGSNLRVHFKNTRETAQAIGMH IRKATKYLKDVTLQKQ CVPFRRYNGGVGRCAQAKQWGWTQ GRWPKKSAEFLHMLKNAESNAELKGLDV DSLVIEHIQVN KAPKVRRTYRAHGRINPYMSSPCHIEMILTEKEQIVPKP EEEVAQK KKISQKKLKKQKLMARE
Sequence Similarities	Belongs to the ribosomal protein L22P family.

GENE INFORMATION

Gene Name	RPL17 ribosomal protein L17 [Homo sapiens]
Official Symbol	RPL17
Synonyms	RPL17; ribosomal protein L17; 60S ribosomal protein L17; L17; rpL23;
Gene ID	6139

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mRNA Refseq	NM_001035006
Protein Refseq	NP_001030178
MIM	603661
Uniprot ID	P18621
Chromosome Location	18q21
Pathway	Cap-dependent Translation Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem;
Function	structural constituent of ribosome;

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