Recombinant Human RPL13

Cat. No. RPL13-31149TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RPL13 with N-terminal proprietary tag. Predicted MW 49.32kDa.
Species	Human
Source	Wheat Germ
ProteinLength	211 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 L13E family of ribosomal proteins. It is located in the cytoplasm. This gene is expressed at significantly higher levels in benign breast lesions than in breast carcinomas. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Molecular Weight	49.320kDa inclusive of tags
Tissue specificity	Higher levels of expression in benign breast lesions than in carcinomas.
Form	Liquid

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	MAPSRNGMVLKPHFHKDWQRRVATWFNQPARKIRRRKARQ AKARHIAPRPASGPI RPIVRCPTVRYHTKVRAGRGFSLEE LRVAGIHKKVARTIGISVDPRRRNKSTESLQA NVQRLKEY RSKLILFPRKPSAPKKGDSSAEELKLATQLTGPVMPVRNV YKKEKARVI TEEEKNFKAFASLRMARANARLFGIRAKRAK EAAEQDVEKKK
Sequence Similarities	Belongs to the ribosomal protein L13e family.

GENE INFORMATION

Gene Name	RPL13 ribosomal protein L13 [Homo sapiens]
Official Symbol	RPL13
Synonyms	RPL13; ribosomal protein L13; 60S ribosomal protein L13; BBC1; D16S444E; L13;
Gene ID	6137
mRNA Refseq	NM_000977
Protein Refseq	NP_000968
MIM	113703
Uniprot ID	P26373

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Chromosome Location	16q24.3
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	RNA binding; protein binding; structural constituent of ribosome;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA