

## Product datasheet for **RG233335**

### RPL13 (NM\_001243131) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPL13 (NM\_001243131) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RPL13  
**Synonyms:** BBC1; D16S44E; D16S444E; L13; SEMDIST  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233335 representing NM\_001243131  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCCAGCCGGAATGGCATGGTCTTGAAGCCCCACTTCCACAAGGACTGGCAGCGCGCGTGGCCA  
CGTGGTTCAACCAGCCGGCCCGTAAGATCCGCAGACGTAAGGCCCGCAAGCCAAGGCGCGCCGCATCGC  
CCCGCGCCCGCGTGGGTCCCATCCGGCCCATCGTGCCTGCCACCGTTCCGTACCACGAAGGTG  
CGCGCCGGCCCGGCTTCAGCCTGGAGGAGCTCAGGGTGGCCGGCATTACAAGAAGGGAGACAGTCTG  
CTGAAGAAGTGAAGTGGCCACCCAGCTGACCGGACCGGTCATGCCCGTCCGGAACGTCTATAAGAAGGA  
GAAAGCTCGAGTCATCACTGAGGAAGAGAAGAATTTCAAAGCCTTCGCTAGTCTCCGTATGCCCCGTGCC  
AACGCCCGGCTCTTCGGCATAACGGGCAAAAAGAGCCAAGGAAGCCGAGAACAGGATGTTGAAAAGAAAA  
AA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG233335 representing NM\_001243131  
Red=Cloning site Green=Tags(s)

MAPSRNGMVLKPHFKDWQRRVATWFNQPARKIRRRKARQAKARRIAPRPASGPIRPIVRCPTVRYHTKV  
RAGRGFSLEELRVAGIHKKGDSAEELKLATQLTGPVMPVRNVYKKEKARVITEEEKNFKAFASLRMARA  
NARLFGIRAKRAKEAAEQDVEKKK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001243131

**ORF Size:** 492 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001243131.1](#), [NP\\_001230060.1](#)

**RefSeq Size:** 4358 bp

**RefSeq ORF:** 495 bp

**Locus ID:** 6137

**UniProt ID:** [P26373](#)

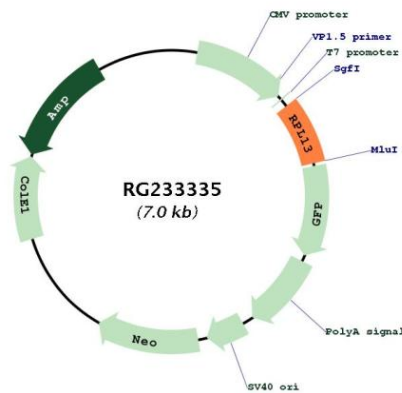
**Cytogenetics:** 17p11.2

**Protein Families:** Druggable Genome

**Protein Pathways:** Ribosome

**Gene Summary:** 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. [provided by RefSeq, Jul 2011]

**Product images:**



Circular map for RG233335