

## Product datasheet for **RG231824**

### RPL17 (NM\_001199345) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPL17 (NM\_001199345) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RPL17  
**Synonyms:** L17; PD-1; RPL23  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231824 representing NM\_001199345  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATATACGAAAAGCCACGAAGTATCTGAAAGATGTCACCTTACAGAAACAGTGTGTACCATTCCGAC  
GTTACAATGGTGGAGTTGGCAGGTGTGCGCAGGCCAAGCAATGGGGCTGGACACAAGGTCGGTGGCCAA  
AAAGAGTGCTGAATTTTGTGTCACATGCTTAAAAACGCAGAGAGTAATGCTGAACCTAAGGTTTAGAT  
GTAGATTCTCTGGTCATTGAGCATATCCAAGTGAACAAAGCACCTAAGATGCGCCCGGACCTACAGAG  
CTCATGGTCGGATTAACCCATACATGAGCTCTCCCTGCCACATTGAGATGATCCTTACGGAAAAGGAACA  
GATTGTTCTAAACCAGAAGAGGAGTTGCCCAGAAGAAAAGATATCCCAGAAGAACTGAAGAAACAA  
AAACTTATGGCACGGGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231824 representing NM\_001199345  
**Red=Cloning site Green=Tags(s)**

MHIRKATKYLKDVTLQKQVPPFRRYNGGVGRCAQAKQWGWWTQGRWPKSAEFLHMLKNAESNAELKGLD  
VDSLVIIEHIQVKNKAPKMRRTYRAHGRINPYMSSPCHIEMILTEKEQIVPKPEEEVAQKKKISQKLLKKQ  
KLMARE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001199345.2</a>
<b>RefSeq Size:</b>	695 bp
<b>RefSeq ORF:</b>	441 bp
<b>Locus ID:</b>	6139
<b>UniProt ID:</b>	<a href="#">P18621</a>
<b>Cytogenetics:</b>	18q21.1
<b>Protein Pathways:</b>	Ribosome
<b>Gene Summary:</b>	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. [provided by RefSeq, Dec 2010]