

## Product datasheet for **RG213110**

### **RPL27A (NM\_000990) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPL27A (NM\_000990) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RPL27A  
**Synonyms:** L27A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG213110 representing NM\_000990  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCATCCAGACTGAGGAAGACCCGAACTTAGGGCCACGTGAGCCACGGCCACGGCCCATAGGCA  
AGCACCGGAAGCACCCCGCGCCGCGTAATGCTGGTGGTCTGCATCACCACCGGATCACTTCGACAA  
ATACCACCCAGGCTACTTTGGGAAAGTTGGTATGAAGCATTACCACTAAAGAGGAACCAGAGCTTCTGC  
CCAAGTCAACCTTGACAAATTGTGGACTTTGGTCAGTGAACAGACACGGGTGAATGCTGCTAAAAACA  
AGACTGGGGCTGCTCCCATCATTGATGTGGTGCATCGGGCTACTACAAAGTTCTGGGAAAGGAAAGCT  
CCCAAAGCAGCCTGTATCGTGAAGCCAAATTCTTCAGCAGAAGAGCTGAGGAGAAGATTAAGAGTGTT  
GGGGGGCCTGTGCTCCTGGTGGCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG213110 representing NM\_000990  
Red=Cloning site Green=Tags(s)

MPSRLRKTRKLRGHVSHGHGRIGKHKHPGGRNAGGLHHRINFDKYHPGYFGKVGKHYHLKRNQSF  
PTVNLDKLWTLVSEQTRVNAANKNTGAAPIIDVVRSGYYKVLGKGLPKQPVIKAKFFSRRAEEKIKSV  
GGACVLVA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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>	<u>NM_000990.5</u>
<b>RefSeq Size:</b>	514 bp
<b>RefSeq ORF:</b>	447 bp
<b>Locus ID:</b>	6157
<b>UniProt ID:</b>	<u>P46776</u>
<b>Cytogenetics:</b>	11p15.4
<b>Domains:</b>	L15
<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 L15P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, multiple processed pseudogenes derived from this gene are dispersed through the genome. [provided by RefSeq, Jul 2008]