

## Product datasheet for **RG231601**

### ARPP21 (NM\_001267616) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARPP21 (NM\_001267616) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ARPP21  
**Synonyms:** ARPP-21; R3HDM3; RCS; TARPP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231601 representing NM\_001267616  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGGACTGAGCAGGAGACGGCCACTC  
 CAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGGAGAACTGGAAGTGCAGAGGCGGCTGGA  
 GGCTCAGAATCAAGAAAGAAGAAAATCCAAGTCAGGAGCAGGAAAAGGTAAGTAACTGACTCGCAGCCTTGCT  
 GTCTGTGAGGAATCTTCCAGACCAGGAGGTAAAAGTCTTCAGGATCAGACTCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231601 representing NM\_001267616  
 Red=Cloning site Green=Tags(s)  
 MSEQDLNQAIAEEGGTEQETATPENGIVKSESLDEEEKLELQRRLEAQNQERRKSKSGAGKGLTRSLA  
 VCEESSARPGGESLQDQTL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001267616.2</a>
<b>RefSeq Size:</b>	3578 bp
<b>RefSeq ORF:</b>	270 bp
<b>Locus ID:</b>	10777
<b>UniProt ID:</b>	<a href="#">Q9UBL0</a>
<b>Cytogenetics:</b>	3p22.3
<b>Gene Summary:</b>	This gene encodes a cAMP-regulated phosphoprotein. The encoded protein is enriched in the caudate nucleus and cerebellar cortex. A similar protein in mouse may be involved in regulating the effects of dopamine in the basal ganglia. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]