

## Product datasheet for **RG210574**

### ARPP19 (NM\_006628) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARPP19 (NM\_006628) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ARPP19  
**Synonyms:** ARPP-16; ARPP-19; ARPP16; ENSAL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG210574 representing NM\_006628  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGCGGAAGTCCCCGAGGCAGCCTCCGCGGAGGAGCAGAAGGAAATGGAAGATAAAGTGACTAGTC  
CAGAGAAAGCAGAAGAAGCAAAATTAAGCAAGATATCCTCATCTGGGACAAAAGCCTGGAGGTTCAGA  
TTTCTTAAGGAAACGGTTGCAGAAAGGGCAAAAATATTTTGATTCTGGGGATTACAACATGGCTAAAGCA  
AAAATGAAGAACAAGCAACTTCTACTGCAGCTCCGATAAGACGGAGGTCCTGGTGACCACATCCCA  
CTCCGCAAGACCTTCTCAACGGAAGCCGTCCTTGTTGCTAGCAAGCTGGCTGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG210574 representing NM\_006628  
Red=Cloning site Green=Tags(s)  
MSAEVPEAASAEQKEMEDKVTSPKAEAKLKARYPHLGQKPGGSDFLRKRLQKQKYFDSGDYDMAKA  
KMKNKQLPTAAPDKTEVTGDHIPTQDLPRKPSLVASKLAG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



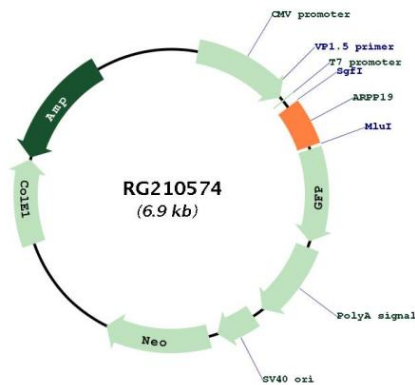
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**Cloning Scheme:**


- ACCN:** NM\_006628
- ORF Size:** 336 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\\_006628.6](#)
- RefSeq Size:** 5162 bp
- RefSeq ORF:** 339 bp

**Locus ID:** 10776  
**UniProt ID:** [P56211](#)  
**Cytogenetics:** 15q21.2  
**Domains:** endosulfine  
**Protein Families:** Druggable Genome  
**Gene Summary:** The 19-kD cAMP-regulated phosphoprotein plays a role in regulating mitosis by inhibiting protein phosphatase-2A (PP2A; see MIM 176915) (summary by Gharbi-Ayachi et al., 2010 [PubMed 21164014]).[supplied by OMIM, Feb 2011]

**Product images:**



Circular map for RG210574