

## Product datasheet for **SC330774**

### ARPP21 (NM\_001267616) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARPP21 (NM\_001267616) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ARPP21  
**Synonyms:** ARPP-21; R3HDM3; RCS; TARPP  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330774 representing NM\_001267616.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGGACTGAGCAGGAGACGGCCACT  
 CCAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGGAGAACTGGAATGCAGAGGCGGCTG  
 GAGGCTCAGAATCAAGAAAGAAGAAAATCCAAGTCAGGAGCAGGAAAAGGTAACTGACTCGCAGCCTT  
 GCTGTCTGTGAGGAATCTTCTGCCAGACCAGGAGGTGAAAGTCTTCAGGATCAGACTCTCTGA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001267616

**Insert Size:** 270 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001267616.1](#)



[View online »](#)

RefSeq Size: 3578 bp

RefSeq ORF: 270 bp

Locus ID: 10777

UniProt ID: [Q9UBL0](#)

Cytogenetics: 3p22.3

MW: 9.7 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (5) differs in the 5' and 3' UTR, lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1. Variants 2, 3, 4, 5 and 7 all encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.