

Product datasheet for **SC310098**

ARPP21 (NM_016300) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ARPP21 (NM_016300) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ARPP21 |
| Synonyms: | ARPP-21; R3HDM3; RCS; TARPP |
| Vector: | <u>pCMV6 series</u> |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_016300, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGGACTGAGCAGGAG
ACGGCCACTCCAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGGAGAAAATG
GAACTGCAGAGGGCGGCTGGAGGCTCAGAATCAAGAAAGAAGAAAATCCAAGTCAGGAGCA
GGAAAAGTAACTGACTCGCAGCCTTGCTGTCTGTGAGGAATCTTCTGCCAGACCAGGA
GGTGAAAGTCTTCAGGATCAGGAATCAATTCATTTACAGCTTTCCAGTTTTCCAGCCTG
CAAGAGGAGGATAAATCTAGGAAAGATGACTCTGAAAGAGAAAAAGAAAAGGATAAAAA
AAAGATAAAAACCTCTGAAAAACCAAGATCAGAATGTTATCAAAAAGATTGCAGCCAAAG
TACACGGATTCTACAGGCATAGACTTACACGAGTTTCTGATTAACACATTAAGAATAAT
TCCAGGGACAGGATGATACTTTTAAAAATGGAGCAGGAAATATTGATTTTCATTGCTGAC
AACATAATCATTATAAAAAAGTTCCCTCAGATGTCATCGTATCAGAGGATGCTTGTCCAT
CGAGTGGCAGCTTATTTTGGATTGGATCACAATGTGGATCAAACAGGAAAATCTGTTATC
ATCAACAAGACCAGCAGCACCAGAATACCAGAGCAAAGGTTTTGTGAACATTTAAAAGAT
GAAAAAGGTGAAGAATCCAGAAGCGGTTTATCTTGAAGCGAGATAACTCTAGTATTGAT
AAAGAAGACAATCAGCAAACAGAATGCATCCATTTAGAGATGACAGACGAAGTAAATCA
ATTGAAGAGAGAGAAGAGGAATATCAGAGAGTGAGGGAGAGAATATTTGCACACGATTCA
GTTTGCTCCCAGGAAAGCCTTTTTGTGGAAAACAGTAGGCTCTTGGAAAGACAGTAACATA
TGCAATGAGACCTATAAGAAAAGACAGCTCTTTCGGGGCAACAGAGATGGCTCAGGGAGA
ACATCTGGGAGTCGACAGAGCAGCTCAGAAAATGAACTCAAGTGGTCTGACCACCAAAGG
GCCTGGAGCAGCACAGACTCCGACAGTTCCAACCGCAATCTAAGCCCGCCATGACCAAG
ACGGCGAGTTTTGGGGCATCACGGTGTGACCAGGGTGACAGCACTTCCAGTACTAGG
AGTACCAGGAAGCTGTCCAAAGCAGGTTCCGAGTCTTCCAGCAGTGCAGGCTCCTCAGGA
TGCTGTCCCGCACCCATCCACCTCTCCAGAGCACACCCCTAGTCTCAGGTGTGGCAGCT
GGCTCTCCAGGCTGTGTGCCTTATCCAGAGAATGGAATAGGGGGCCAGGTTGCTCCCAGC
AGCACCAGCTACATCCTCCTTCCACTTGAAGCTGCAACAGGCATCCCGCCTGGAAGCATC
CTTCTTAATCCACACACAGGCCAGCCCTTTGTGAATCCCGATGGAATCCTGCAATATAC
AACCCACCACCAGTCAGCAGCCCTGCGAAGCGCCATGGTGGGGCAGTCCCAACAGCAG
CCACCACAGCAGCAGCCCTCCCCGAGCCCAACAGCAGGTCCAGCCACCGCAGCCACAG
ATGGCAGGCCCTCTGGTCACTCAGAGAGATGATGTGGCAACACAGTTTGGCCAGATGACC
CTGAGCCGGCAGTCTCGGGGAGACTCCTGAACCCCATCAGGTCTGTCTACCCATCC
TCCCTTATGCCACAGCCGCCAGCAGCCAGCTATGTAATCGCCTCTACAGGCCAGCAG
CTTCTACAGGAGGATTCTCAGGCTCTGGCCCTCCCATCTCCCAGCAGGTCTCCAGCCC
CCTCCCTCACCACAGGATTTGTGCAACAGCCTCCGCCTGCACAGATGCCTGTATATTAT
TACCCATCTGGTCAGTACCCTACCTCAACCACGCAACAGTACCGGCCATGGCCCCGGTT
CAGTACAACGCTCAGAGGAGTCAACAGATGCCACAGGCAGCACAGCAAGCAGGTTACCAG
CCAGTCTTGTCTGGTCAACAGGGATTCCAAGGCCTAATAGGAGTGCAGCAGCCACCTCAG
AGTCAGAACGTGATAAATAACCAACAAGGAACTCCGGTGCAAAGCGTGATGGTTTCTAC
CCAACAATGTCTTCTTATCAGGTGCCAATGACCCAGGGTCTCAAGGACTGCCCCAGCAG
TCATACCAACAGCCAATCATGTACCTAACAGGCAAGTCAAGGGTCACTCCAGCCACT
GGAATGCCTGTTTACTGTAATGTACACCGCCACCCCTCAGAACAACCTTAGGCTGATT
GGCCACACTGCCCTCCAGCACTGTCCAGTGTGTCAGCTAGCTGCAGAACAACTGT
GCAAGTATGAGCAATGCTGGTTGGCAGGTCAAATTCTGA

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Restriction Sites: Please inquire

ACCN: NM_016300

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).

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none">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: | <u>NM_016300.4</u> , <u>NP_057384.2</u> |
| RefSeq Size: | 3241 bp |
| RefSeq ORF: | 2439 bp |
| Locus ID: | 10777 |
| UniProt ID: | <u>Q9UBL0</u> |
| Cytogenetics: | 3p22.3 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p> |