

Product datasheet for **SC332870**

ARPP21 (NM_001267619) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARPP21 (NM_001267619) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARPP21
Synonyms:	ARPP-21; R3HDM3; RCS; TARPP
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332870 representing NM_001267619.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGGACTGAGCAGGAGACGGCCACT
 CCAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGGAGAACTGGAAGTGCAGAGGCGGCTG
 GAGGCTCAGAATCAAGAAAGAAGAAAATCCAAGTCAGGAGCAGGAAAAGGTAACCTGACTCGCAGCCTT
 GCTGTCTGTGAGGAATCTTCTGCCAGACCAGGAGGTGAAAGTCTTCAGGATCAGGAATCAATTCATTTA
 CAGCTTTCCAGTTTTTCCAGCCTGCAAGAGGAGGATAAATCTAGGAAAGATGACTCTGAAAGAGAAAA
 GAAAAGGATAAAAAACAAAGATAAAAACTCTGAAAAACCAAGATCAGAATGTTATCAAAAGATTGCAGC
 CAAGAATACACGGATTCTACAGGCATAGACTTACACGAGTTTCTGATTAACACATTAAGAATAATTCC
 AGGGACAGGATGATACTTTTAAAAATGGAGCAGGAAATATTGATTTTATTGCTGACAACAATAATCAT
 TATAAAAAAGTTCCCTCAGATGTCATCGTATCAGAGGATGCTTGTCCATCGAGTGGCAGCTTATTTTGG
 TTGGATCACAATGTGGATCAAACAGGAAAATCTGTTATCATCAACAAGACCAGCAGCACCAGAATACCA
 GAGCAAAGGTTTTGTGAACATTTAAAAGATGAAAAAGGTGAAGAATCCCAGAAGCGGTTTTATCTTGAAG
 CGAGATAACTCTAGTATTGATAAAGAAGACAATCAGTCAGTTTGTCTCCAGGAAAGCCTTTTTGTGGAA
 AACAGTAGGCTCTTGGAAAGACAGTAACATATGCAATGAGACCTATAAGAAAAGACAGCTCTTTCCGGGC
 AACAGAGATGGCTCAGGGAGAACATCTGGGAGTCGACAGAGCAGCTCAGAAAATGAACTCAAGTGGTCT
 GACCACCAAAGGGCCTGGAGCAGCACAGACTCCGACAGTTCCAACCGCAATCTAAAGCCCAGCATGACC
 AAGACGGCGAGTTTTGGGGGCATCACGGTGTGACAGGGGTGACAGCACTTCCAGTACTAGGAGTACC
 GGAAGCTGTCCAAGCAGGTTCCGAGTCTTCCAGCAGTCAGGCTCCTCAGGATCGCTGTCCCGCACC
 CATCCACCTCTCCAGAGCACACCCTAGTCTCAGGTGTGGCAGCTGGCTCTCCAGGCTGTGTGCCTTAT
 CCAGAGAATGGAATAGGGGGCCAGGTTGCTCCAGCAGCACCAGCTACATCCTCCTTCCACTTGAAGCT
 GCAACAGGCATCCCGCTGGAAGCATCCTTCTTAATCCACACACAGGCCAGCCCTTTGTGAATCCCGAT
 GGAACCTCTGCAATATACAACCCACCCACAGTCAGCAGCCCTGCGAAGCGCCATGGTGGGGCAGTCC
 CAACAGCAGCCACCACAGCAGCAGCCCTCCCGCAGCCCAACAGCAGGTCAGCCACCAGCAGCCACAG
 ATGGCAGGCCCTCTGGTCACTCAGTCTGTCCAGGGGTGACAGGCTTCTCCAGTCAGTGAATATCCA
 GCAGTCTCTTTTCTCCCGCAGCCTCCTACCTGTGTCTCAACGCAGCACTTTCCCATGAGAGATGAT
 GTGGCAACACAGTTTGGCCAGATGACCCTGAGCCGGCAGTCTCGGGGAGACTCCTGAACCCCATCA
 GGTCTGTCTACCCATCCTCCTTATGCCACAGCCGGCCAGCAGCCAGCTATGTAATCGCCTTACA
 GGCCAGCAGCTTCTACAGGAGGATTCTCAGGCTCTGGCCCTCCCATCTCCAGCAGGTCCTCCAGCCC
 CCTCCCTCACCACAGGATTTGTGCAACAGCCTCCGCCTGCACAGATGCCTGTATATTATTACCCATCT
 GGTCAAGTACCCTACCTCAACCACGCAACAGTACCGGCCATGGCCCGGTTCAAGTACAACGCTCAGAGG
 AGTCAACAGATGCCACAGGCAGCACAGCAAGCAGGTTACCAGCCAGTCTTGTCTGGTCAACAGGGATTC
 CAAGGCCTAATAGGAGTGCAGCAGCCACCTCAGAGTCAGAACGTGATAAATAACCAACAAGGAACTCCG
 GTGCAAAGCGTGATGGTTTCTACCCAACAATGTCTTCTTATCAGGTGCCAATGACCCAGGGTTCTCAA
 GGACTGCCCCAGCAGTCATACCAACAGCCAATCATGCTACCTAACCAGGCAGGTCAGGGTCACTCCCA
 GCCACTGGAATGCCTGTTTACTGTAATGTCACACCGCCACCCCTCAGAACAACCTTAGGCTGATTGGC
 CCACACTGCCCTCCAGCACTGTCCAGTGTGTCAGTGTGTCAGTGTGTCAGAACAACTGTGCAAGTATGAGC
 AATGCTGGTTGGCAGGTCAAATCTGA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001267619
Insert Size: 2442 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
Components:	<p>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).</p>
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:	NM_001267619.1
RefSeq Size:	3209 bp
RefSeq ORF:	2442 bp
Locus ID:	10777
UniProt ID:	Q9UBL0
Cytogenetics:	3p22.3
MW:	88.6 kDa
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 (8) has a shorter 5' UTR and lacks two in-frame exons in the central coding region, compared to variant 1. The resulting isoform (4) is shorter, compared to isoform 1.</p>