

Product datasheet for **SC103140**

ARPP21 (AK093648) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARPP21 (AK093648) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARPP21
Synonyms:	ARPP-21; R3HDM3; RCS; TARPP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK093648, the custom clone sequence may differ by one or more nucleotides

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ATAACCAACAAGGAACCTCCGGTGCAAAGCGTGATGGTTTCTACCAACAATGTCTTCTCATCAGGTGCT
CATAAGCAGCTTGAAAAATTGTGGGTTTTAAAGTAGAATTTGCCAAAGTGAAGCTGTGGGCTGTCCCT
GGTTTGGGTGGCTGGTAATGCGTGCTTGGTCCATAACTGTTGATAATTTACTTTGAATCAAGATT
ATAATAGAAAAGTAGAAAATGCAAAATACATGCTTCTGTCACTACTGTGGCTTTTGAATGCTCCTAAG
TTTATTTCCATATAAATTCATATTCATGGAAGAAAATACATTAGTCTACAGTTTTTATTATAAAGACCTT
TGGAAATTTTATTGCATTTTGTATTGGTAGAAAGTCCCTCATGACAAATCCCATTCAATTTTGTACAC
ACCCAAATAAACTTCATTTTCCATAACTTTAAGTTATAAGAGATTTAATATGGCATCTCAGATTCATT
TAAAGGGCATTCTGGAGCCTAGCAACTACATTCTCTGGACTAAACCAAGTTAAGTATTTTAAAGTGT
TATGTATCCTTTTGTGATGTATTTCTAAAATACCCAGAAAGTAGAAAATAAAGAGTTAGTGAAATGGTAT
AATAATTAATTTAACTGTACCAGGTGCTTCTGACCTAAAGGACCTATTCTAGGGCCCCCTACCCTACTA
TTCTGATTCACATTGCATCAACTTCTACCTCCACCTCCACAATAAGTGTCTCTAAAGTTCAGGTTGAG
AATATAGTAGGTGCCAGGACAAAAGCCCTTTTCACTGTGGAGGACTCCAGGCCACTTTGCATAAAATCA
GAAAGGGAACATGGCTTTTCAAACCTGAGAGAAACCCAGAGTGAAGATCTAGACTATAGTTTCTAGAGGT
CATTGAGAGAGAAGGGAAGGAACTCAGAACTAACACCTTCTCAGCATCTACTGCATTCCAGGCAGTGTG
CCAGGCATTGTACACCATCCCTTCAATCCTTTCAATGGTACTTTGAAGCATGTATGTCAATATCGCAATG
GACTAGGGAATTAGAGAGGTTAAGTGACTTTCTAATGTGAAACAGCCGATAAATGGCAGAGCTGGAATT
GATGACCTGTTAGGTCTAACTCAAAGTTTGAATTTTTTTCATGACACCATGTTGTTTATTGTACAGACC
AAAATAGTCTCTCATAACAGGTTCTTGGCTTGTGCTTTTTACAGGTGCCAATGACCCAGGGTTCTCAAG
GACTGCCCCAGCAGTCATACCAACAGCCAATCATGCTACCTAACCAAGCAGGTCAAGGGTCACTCCACG
CACTGGAAATGCCTGTTTACTGTAATGTACACCCGCCACCCTCAGAACAACCTTAGGCTGATTGGCCCA
CACTGCCCTCCAGCACTGTCCAGTGTGTCAGCTAGCTGCAGAACAACCTGTGCAAGTATGAGCAATG
CTGGTTGGCAGGTCAAATCTGAGAGCTCTGGCTGTGGTACATTTCTTCCAGATATTTCTCATGGCCTTTG
ATGGAAGAGGAACAAGGTGGGAAAACCTGGCTGAGGACTTAAGTATTCCTCAACACTCAAATGATTGCTG
CTGGTATTCTGTAAAAATAAACAAAGACTAATATACACGTTAGCTGGTTAATGGTGCATATTTCTGTCA
TGTCTGTAGGTATGCCTTTATAGCTTAGCTAGTACATGAATTCATCAAGGTAAGATTTTCTCCTACCA
CTGAATACCCTGTGTAGATTATAATATCCCTAATTTGGATTAGTTTTGTACTTTGTGTTGAGTTTGTGA
TGCTAAAAGTATTTAAAATTATATACTAAATCACATTGTACCAAGCTGTAATGAAAAGCAAAGAAGA
ATTGATGAATTGAAGGAATAATTTATATACATTATAGAGTTTTCTTTTTAATGGATATATACTGTATTG
TAGTGTTAATCAAATAAACTATTTGACCTTATGGAGGAAGGTCATGTTTT
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK093648 unedited

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NGGCTGTCAAATTTGTATACGACTCACTATAGGCGGCCGNAATTCGCACGAGGGTGT
TCTCTAAAGTTGCAGGTTGAGAATATAGTAGGTGCCAGGACAAAAGCCCTTTTCACTGT
GGAGGACTCCAGGCCACTTTGCATAAAAATCAGAAAGGGAACATGGCTTTTCAAACCTGAGA
GAAACCCAGAGTGGAGGATCTAGACTATAGTTTCTAGAGGTCATTGAGAGAGAAGGGAAG
GAAACTCAGAATAACACCTTCTCAGCATCTACTGCATTCCAGGCAGTGTGCCAGGCACT
GTACACCATCCCTTCAATCCTTTCAATGGTACTTTGAAGCATGTATGTCAATATCGCAAT
GGACTAGGGAATTAGAGAGGTTAAGTGACTTTTCTAATGTGAAACAGCCGATAAATGGCA
GAGCTGGAATTGATGACCTGTTAGGTCTAACTCAAAGTTTGAATTTTTTTCATGACACC
ATGTTGTTTATTGTACAGACCAAAATAGTCTCTCATAACAGGTTCTTGGCTTGTGCTTTT
TTACAGGTGCCAATGACCCAGGGTTCTCAAGGACTGCCCCAGCAGTCATACCAACAGCCA
ATCATGTACCTAACCAGGCAGGTCAAGGGTCACTCCAGCCACTGGAATGCCTGTTTAC
TGTAATGTACACCGCCACCCTCAGAACAACTTAGGCTGATTGGCCCACTGCCCC
TCCAGCACTGTCCNAGTGATGTGAGCTAGCTGCAGAACAACCTGTGCAGTATGAGCATG
GCTGGTTGGCAGGTCAAATTTCTGAGAGCTCTGTGTGGTACATTTCTTCCAGATTTCTCA
TGGCCTTTGATGGAAGAGAAAACAGGTGGGAAAACCTGGGCTGAGGACTTAGTATTCACCTC
ACACTCAATGATTGCTGCTGGNATTCTGC
    
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Restriction Sites:	NotI-NotI
ACCN:	AK093648
Insert Size:	1500 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:	<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:	AK093648.1
RefSeq Size:	2014 bp
RefSeq ORF:	2014 bp
Locus ID:	10777
Cytogenetics:	3p22.3
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]