

Product datasheet for **SC127508**

ARPP21 (NM_198399) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARPP21 (NM_198399) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARPP21
Synonyms:	ARPP-21; R3HDM3; RCS; TARPP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127508 sequence for NM_198399 edited (data generated by NextGen Sequencing) ATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGGACTGAGCAGGAG ACGGCCACTCCAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGGAGAACTG GAACTGCAGAGGCGGCTGGAGGCTCAGAATCAAGAAAGAAGAAAATCCAAGTCAGGAGCA GGAAAAGGTAACTGACTCGCAGTCTTGCTGTCTGTGAGGAATCTTCTGCCAGACCAGGA GGTCAAAGTCTTCAGGATCAGACTCTCTGA Clone variation with respect to NM_198399.1 204 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198399 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCAGCTTGAGACAGGTGGAG CTGGATCAAGCTGTGAACGTGATTTGCTGGAAGCTGGTTGACGATGTGTCACTGTGTA AGGGAATCGCATGGAGATGGGCATTCCGAACTGTTAATGGGGACATGGGACTCCAGTTGT CTCTGATCACTTGTGGATTTTCTGGCGTAGAACGACAGAAGCCGCTAGTAAGTCGCC AAGACCTACAGCAGGAATTCTGCACCAAAGGCCATAAAATCTTGTATTTAATTTGCAT CTGGGAGAATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGGACTG AGCAGGAGACGGCCACTCCAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGG AGAAACTGGAAGTGCAGAGGCGGCTGGAGGCTCAGAATCAAGAAAGAAAGAAATCCAAGT CAGGAGCAGGAAAAGGTAAGTAACTGACTCGCAGTCTTGCTGTCTGTGAGGAATCTTCTGCCA GACCAGGAGGTGAAAGTCTTCAGGATCAGACTCTCTGAAAAGTCAAATGGAAAGGAATT CAAAAGAATTTAGATTAAGTTAAATAAAAAGTAGGCACAGTAGTGCTGAATTTTCTC AAAGGCTCTCTTTGATAAGGCTGAACCAAATATATCCAAGTATCTCTCTTCTCCTT GTTGGAGATGTCTTACCTCTCAGCTNCCCAATGCACTTGCTATAAGAACACANTNGCT NGTNTCATATGAACTTAGNAATAGTGAATAAGGTGCATTAAGTGAATACTTTATGGG CTTGTGGAGATTCTCATCTGCAAAAGTGTCAAAAGATCTGACTGAGGGACTTAAGTAATA TATATAACTGCTATTTTACCTTATTTGCTCTCACAGATTANAG
Restriction Sites:	NotI-NotI
ACCN:	NM_198399
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:	<u>NM_198399.1</u> , <u>NP_938409.1</u>
RefSeq Size:	2413 bp
RefSeq ORF:	270 bp
Locus ID:	10777
UniProt ID:	<u>Q9UBL0</u>
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]

Transcript Variant: This variant (2) uses an alternate 5' exon and an alternate 3' exon compared to variant 1. The resulting isoform (2) has a distinct and much shorter 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.