

Product datasheet for **MC220836**

Arpp21 (NM_001177618) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_001177618) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arpp21
Synonyms:	0710001E13Rik; AI853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220836 representing NM_001177618
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG
 AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGGCCGACTGGCGGC
 TCAGAACCAAGAGAGGAGAAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC
 TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTCAACCAGGATCAGGAATCAATTCACCTACAGCTTT
 CCAGTTTCCCCAGCCTGCAAGAGGAGGATAAATCTAGGAAGGATGATTCTGAGAGAGAAAAAGAAAAGGA
 TAAGAACAGAGAGAACTCTCTGAGAGACCAAGATCAGAATGTTATCAAAGATTGCAGCCAAGAATAC
 ACAGATTCTACAGGCATAGACTTACATGGGTTTCTAATTAACACGCTGAAGAACAATTCAGGGACAGGA
 TGATACTCTTGAAAATGGAGCAGGAAATGATTGATTTTCATTGCTGACAGCAATAACCACTATAAAAAAGTT
 CCCCAGATGTATCCTATCAAAGGATGCTGGTCCATCGGGTGGCAGCGTACTTTGGATTGGACCACAAC
 GTGGATCAAAGTGGAAAATCTGTATCATCAACAAGACCAGCAGCACCAGGATACCAAGAGCAAAGTTTTT
 GTGAACATTTAAAAGATGAAAAAGTGAAGAATCCCAGAAGCGGTTTATCTTGAAGCGAGATAACTCTAG
 TATTGATAAAGAAGACAATCAGTCAGTTTGTCTCACAGGAAAGCCTATTTTTGGACAACAGTAGGCTCCAG
 GAAGACATGCACATATGCAATGAGACCTATAAGAAAAGACAGCTCTTTCGGGCTCACCGAGACAGCTCAG
 GAAGAACTTCCGGGAGCCGGCAGAGCAGCTCAGAGACTGAGTCAAGTGGCCAGACCACCAGCGGGCTTG
 GAGCAGCACAGATTCCGACAGTTCACCCGCAATCTGAAGCCCACCATGACCAAGACGGCAAGTTTTGGG
 GGCATCACGGTGTGACCAGGGGCGACAGCAGTCCAGTACCAGGAGTGTGGGAAACTGTCCAAAACAG
 GTTCTGAGTCTTCCAGCAGTGGGGCTCCTCAGGATCACTGTCCCGCACCCACCCACAGAGCAGGCCCT
 GACCTCTAGCGTGGCAGCTGGTTCTCTGGCTGTATGGCCTATTACAGAGAATGGAATGGGAGGCCAGGTT
 CCTCCCAGCAGCACCAGCTACATCCTCCTCCACTTGAAGTGGCAGTGGCATCCCACCCGGAAGCATCC
 TTCTTAATCCACACACAGGTGAGCCCTTTGTGAACCCGGATGGAACGCCTGCGATATAACAACCTCCCGG
 AAGTCAGCAGACTGCGTGGCACTGTTGGTGGGAGCCAGCAACCTCCACAGCAGCAACCTTCGCT
 CAGCCTCAGCAGCAGGTCCAGGCATCACAGCCCCAGATGGCAGGGCCACTGGTCACTCAGTCTGTCCAGA
 GCCTGCAGCCATCTCCAGTCTGTGCAATATCCAGCGGTCTCTTTCTCCCAGCATCTCCTGCCTAT
 GTCGCCAACGCAGCACTCCCTTGAGAGAAGAACTGGTGGCCAGTTCAGCCAGCTGAGCATGAGCCGG
 CAGTCTCGGGAGACTCCTGAACCTCCCTCTGGTACAGTCTACCCAGCCTCTCTCCTGCCACAAACGG
 CTCAGCCACAGAGTTATGTCATCACTTCTGACGGCCAGCAGCTCTACAGGGGGCTTCTCGGACTCTGG
 CCCGCCATCTCCCAGCAGGTCTGCAGGCCCCGCCCTCTCCCAGGGATTTGTACAGCAGCCTCCACCT
 GCACAGATGTCCGTCTATACTACCCATCTGGTCACTACCTACCTCAACCTCACAGCAGTACCGACCCC
 TCGCCTCAGTCCAGTACAGTGTGTCAGCGGAGTCAAGAAATACCACAGACCACACAGCAAGCAGGTTACCA
 GCCAGTCTTGTCTGGTCAAGCAGGCTTCCAAGGCATGATGGGAGTACAGCAGTCAAGCAGCAGCCAGGTT
 GTGATGAGCAGTCAAGGAGCCCGGTGCATGGTGTGATGGTCTCCTACCCAACCATGTCTTCTTATC
 AGGTGCCAATGACCCAAGGCTCTCAAGCAGTGGCCAGCAGACATACCAACCAACATCATGCTGCCAG
 TCAGGCAGGCCAAGGGTCACTCCCAGCCACCGGAATGCCTGTGTACTGTAAAGTCAACCCGCAACCCCT
 CAGAACAACCTAAGGTTGATGGGTCCACACTGCCCTCCAGCAGGTTCTGTGTATGTCCGCTAGTTGCA
 GAACAACTGTGGGAACGTGAGCAACGCAGGCTGGCAGGTCAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001177618
Insert Size: 2430 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:	<u>NM_001177618.1</u> , <u>NP_001171089.1</u>
RefSeq Size:	3181 bp
RefSeq ORF:	2430 bp
Locus ID:	74100
UniProt ID:	<u>Q9DCB4</u>
Cytogenetics:	9 62.46 cM
Gene Summary:	Isoform 2 may act as a competitive inhibitor of calmodulin-dependent enzymes such as calcineurin in neurons.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3), as well as variants 20-25, encodes isoform 3.