

Product datasheet for **MC221765**

Arpp21 (NM_033264) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_033264) 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: >MC221765 representing NM_033264
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG
 AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGGGACTGGCGGC
 TCAGAACCAAGAGAGGAGAAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC
 TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTCAACCAGGATCAGGAATCAATTCACCTACAGCTTT
 CCAGTTTCCCCAGCCTGCAAGAGGAGGATAAATCTAGGAAGGATGATTCTGAGAGAGAAAAAGAAAAGGA
 TAAGAACAGAGAGAACTCTCTGAGAGACCAAGATCAGAATGTTATCAAAAGATTGCAGCCAAGAATAC
 ACAGATTCTACAGGCATAGACTTACATGGGTTTCTAATTAACACGCTGAAGAACAATTCCAGGGACAGGA
 TGATACTCTTGAAAATGGAGCAGGAAATGATTGATTTTCATTGCTGACAGCAATAACCACTATAAAAAAGTT
 CCCCCAGATGTATCCTATCAAAGGATGCTGGTCCATCGGGTGGCAGCGTACTTTGGATTGGACCACAAC
 GTGGATCAAAGTGGAAAATCTGTATCATCAACAAGACCAGCAGCACCAGGATACCAAGAGCAAAGGTTTT
 GTGAACATTTAAAAGATGAAAAAGTGAAGAATCCCAGAAGCGGTTTATCTTGAAGCGAGATAACTCTAG
 TATTGATAAAGAAGACAATCAGAACAGAATGCACCCATTTAGAGATGACAGACGAAGTAAATCAATTGAA
 GAGAGAGAAGAGGAATATCAGAGAGTGAGGGAGAGAATATTTGCACATGATTGAGTTTGCTCACAGGAAA
 GCCTATTTTTGGACAACAGTAGGCTCCAGGAAGACATGCACATATGCAATGAGACCTATAAGAAAAGACA
 GCTCTTTCCGGCTCACCGAGACAGCTCAGGAAGAACTTCCGGGAGCCGGCAGAGCAGCTCAGAGACTGAG
 CTCAGGTGGCCAGACCACAGCGGGCTTGGAGCAGCACAGATTCGGACAGTTCCAACCGCAATCTGAAGC
 CCACCATGACCAAGACGGCAAGTTTTGGGGGCATCACGGTGTGACCAGGGGCGACAGCAGTCCAGTAC
 CAGGAGTGTGGGAAACTGTCCAAAACAGGTTCTGAGTCTTCCAGCAGTGCGGGCTCCTCAGGATCACTG
 TCCCGCACCCACCCACAGAGCACGGCCCTGACCTCTAGCGTGGCAGCTGGTTCTCCTGGCTGTATGGCCT
 ATTCAGAGAATGGAATGGGAGGCCAGGTTCTCCAGCAGCACCAGCTACATCCTCCTCCCACTTAAAAG
 TGCGACTGGCATCCCACCCGGAAGCATCCTTCTAATCCACACACAGGTCAGCCCTTTGTGAACCCGGAT
 GGAACGCCTGCGATATACAACCTCCCGGAAGTCAGCAGACACTGCGTGGCACTGTTGGTGGCAGCCCC
 AGCAACCTCCACAGCAGCAACCTTCGCCTCAGCCTCAGCAGCAGGTCAGGCATCACAGCCCCAGATGGC
 AGGGCCACTGGTCACTCAGAGAGAAGAACTGGCTGCCAGTTCAGCCAGCTGAGCATGAGCCGGCAGTCC
 TCGGGAGACACTCCTGAACCTCCCTCTGGTACAGTCTACCCAGCCTCTCTCCTGCCACAAACGGCTCAGC
 CACAGAGTTATGTCATCACTTCTGCAGGCCAGCAGCTCTCTACAGGGGGTCTCTCGGACTCTGGCCCGCC
 CATCTCCAGCAGGTCCTGCAGGCCCGCCCTCTCCCCAGGGATTTGTACAGCAGCTCCACCTGCACAG
 ATGTCCGTCTATTAACCCATCTGGTCACTACCTACCTCAACCTCACAGCAGTACCGACCCCTCGCCT
 CAGTCCAGTACAGTGTCTAGCGGAGTCAGCAAATACCACAGACCACAGCAAGCAGGTTACCAGCCAGT
 CTTGTCTGGTCAGCAGGGCTTCCAAGGCATGATGGGAGTACAGCAGTCAAGCAGCAGCCAGGGTGTGATG
 AGCAGTCAGCAAGGAGCCCCGGTGCATGGTGTGATGGTCTCTACCAACCATGTCTTCTTATCAGGTGC
 CAATGACCAAGGCTCTCAAGCAGTCCCCAGCAGACATACCAACCAACATCATGCTGCCAGTCAGGC
 AGGCCAAGGGTCACTCCAGCCACCGGAATGCCGTGTACTGTAACGTCAACCGCCAAACCCCTCAGAAC
 AACCTAAGGTTGATGGGTCCACACTGCCCTCCAGCAGGTTCTGTGTCATGTCCGCTAGTTGCAGAACAA
 ACTGTGGGAACGTGAGCAACGCAGGCTGGCAGGTCAGGTT**CGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_033264
Insert Size: 2424 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:	NM_033264.2 , NP_150289.1
RefSeq Size:	3310 bp
RefSeq ORF:	2424 bp
Locus ID:	74100
UniProt ID:	Q9DCB4
Cytogenetics:	9 62.46 cM
Gene Summary:	<p>Isoform 2 may act as a competitive inhibitor of calmodulin-dependent enzymes such as calcineurin in neurons.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR exons and two internal coding exons, as compared to variant 3. The resulting isoform (2) is slightly shorter and differs in two coding regions, as compared to isoform 3.</p>