

## Product datasheet for **MC211489**

### Arpp21 (NM\_001177619) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arpp21 (NM\_001177619) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arpp21  
**Synonyms:** 0710001E13Rik; AI853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211489 representing NM\_001177619  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG  
 AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGGCGACTGGCGGC  
 TCAGAACCAAGAGAGGAGAAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGCTTGTCTGTC  
 TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTCACCAGGATCAGGAATCAATTCACCTACAGCTTT  
 CCAGTTTTCCCGCCTGCAAGAGGAGGATAAATCTAGGAAGGATGATTCTGAGAGAGAAAAAGAAAAGGA  
 TAAGAACAGAGAGAACTCTCTGAGAGACCCAAGATCAGAATGTTATCAAAAGATTGCAGCCAAGAATAC  
 ACAGATTCTACAGGCATAGACTTACATGGGTTTCTAATTAACACGCTGAAGAACAATCCAGGGACAGGA  
 TGATACTCTTGAAAAATGGAGCAGGAAATGATTGATTTTCATTGCTGACAGCAATAACCACTATAAAAAAGTT  
 CCCCAGATGTCATCCTATCAAAGGATGCTGGTCCATCGGGTGGCAGCGTACTTTGGATTGGACCACAAC  
 GTGGATCAAACCTGAAAAATCTGTCATCATCAACAAGACCAGCAGCACCAGGATACCAGAGCAAAGGTTT  
 GTGAACATTTAAAAGATGAAAAAAGTGAAGAATCCCAGAAGCGGTTTATCTTGAAGCGAGATAACTCTAG  
 TATTGATAAAGAAGACAATCAGCAGAACAGAATGCACCCATTTAGAGATGACAGACGAAGTAAATCAATT  
 GAAGAGAGAGAAGAGGAATATCAGAGAGTGAGGGAGAGAATATTTGCACATGATGTGAGTAGTTGTTTTA  
 ATTGCCCTCTTGAGTATGGTCTTCCATCAGCAGAAAGGCCCTCGTTGCTCGGACAGAGATCTGGCAGGG  
 AGTACAGAGGCTGGGAGCAAGGAACGAGTTACAAGCAGGAAACACAAATGTTTCTGGGAGAGAACCTGG  
 TTCAGGGATGCGTTGAAACAGTCCAAGAGTCTGTGTATGTGCCCCAGGGCATCACCTACCAGGGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177619



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<b>Insert Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001177619.1</a></u> , <u><a href="#">NP_001171090.1</a></u>
<b>RefSeq Size:</b>	2593 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	74100
<b>UniProt ID:</b>	<u><a href="#">Q9DCB4</a></u>
<b>Cytogenetics:</b>	9 62.46 cM
<b>Gene Summary:</b>	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 (6), as well as variant 29, encodes isoform 6.