

## Product datasheet for MC211485

### Arpp21 (NM\_001177623) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_001177623) 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:	>MC211485 representing NM_001177623 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG  
AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGGCGACTGGCGGC  
TCAGAACCAAGAGAGGAGAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC  
TGTGAAGAGTCTTCAGCTAGATCTGGAGGGAAAGTCACCAGGATCAGGAATCAATTCACCTACAGCTTT  
CCAGTTTTCCCAGCCTGCAAGAGGAGGATAAATCTAGGAAGGATGATTCTGAGAGAGAAAAAGAAAAGGA  
TAAGAACAGAGAGAACTCTCTGAGAGACCCAAGATCAGAATGTTATCAAAGATTGCAGCCAAGAATAC  
ACAGATTCTACAGGCATAGACTTACATGGGTTTCTAATTAACACGCTGAAGAACAATCCAGGGACAGGA  
TGATACTCTTGAAAATGGAGCAGGAAATGATTGATTTTCATTGCTGACAGCAATAACCACTATAAAAAAGTT  
CCCCAGATGTCATCCTATCAAAGGATGCTGGTCCATCGGGTGGCAGCGTACTTTGGATTGGACCACAAC  
GTGGATCAAAC TGAAAATCTGTCATCATCAACAAGACCAGCAGCACCAGGATAGTCCAAGATACTGGCT  
GGAGATGCAAGCATGCTACCGTACAGGAGCAGTGTGCACCAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001177623
Insert Size:	747 bp



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<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>	<a href="#">NM_001177623.1</a> , <a href="#">NP_001171094.1</a>
<b>RefSeq Size:</b>	2642 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	74100
<b>UniProt ID:</b>	<a href="#">Q9DCB4</a>
<b>Cytogenetics:</b>	9 62.46 cM
<b>Gene Summary:</b>	<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 (7) lacks multiple 3' exons and has alternate 5' and 3' ends, as compared to variant 3. The resulting isoform (7) is much shorter and has a different C-terminus, as compared to isoform 3.</p>