

## Product datasheet for **MG222989**

### Arpp21 (NM\_001177616) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_001177616) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arpp21
Synonyms:	0710001E13Rik; AI853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG222989 representing NM\_001177616  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

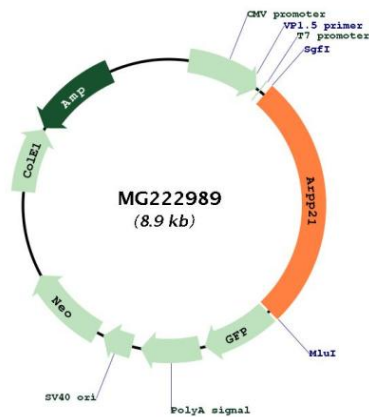
ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG  
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 TCAGAACCAAGAGAGGAGAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC  
 TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTACCAGGATCAGGAATCAATTCACCTACAGCTTT  
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 TAAGAACAGAGAGAACTCTCTGAGAGACCAAGATCAGAATGTTATCAAAGATTGCAGCCAAGAATAC  
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 CATGAGCCGGCAGTCCCTCGGAGACTCCTGAACCTCCCTCTGGTACAGTCTACCCAGCCTCTCTCCTG  
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 TGCTGCCAGTCAAGCAGGCCAAGGGTCACTCCAGCCACCGAATGCCTGTGTACTGTAACGTCAACCC  
 GCCAAACCCTCAGAACAACCTAAGGTTGATGGGTCCACACTGCCCTCCAGCAGGTTCCCTGTCATGTCC  
 GCTAGTTGCAGAACAACTGTGGAAACGTGAGCAACGCAGGCTGGCAGGTCAAGTTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



- 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:**
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\\_001177616.1](#), [NP\\_001171087.1](#)
- RefSeq Size:** 3423 bp
- RefSeq ORF:** 2370 bp
- Locus ID:** 74100
- UniProt ID:** [Q9DCB4](#)
- 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]

**Product images:**



Circular map for MG222989