

## Product datasheet for **MG222988**

### Arpp21 (NM\_028755) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arpp21 (NM\_028755) 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)  
**ORF Nucleotide Sequence:** >MG222988 representing NM\_028755  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG  
AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGCGGACTGGCGGC  
TCAGAACCAAGAGAGGAGAAAAATCCAAGTCAGGAGCAGGCAAAGGAAGCTGACCAGAAGTCTTGCTGTC  
TGTGAAGAGTCTCAGCTAGATCTGGAGGGAAAGTCACCAGGATCAGACTCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG222988 representing NM\_028755  
Red=Cloning site Green=Tags(s)  
MSEQGGLTPTILEEGQTEPESAPENGILKSESLDEEEKLELQRRLLAAQNQERRKSKSGAGKGLTRSLAV  
CEESSARSGGESHQDQTL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_028755.3</a> , <a href="#">NP_083031.1</a>
<b>RefSeq Size:</b>	3328 bp
<b>RefSeq ORF:</b>	267 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>	Isoform 2 may act as a competitive inhibitor of calmodulin-dependent enzymes such as calcineurin in neurons.[UniProtKB/Swiss-Prot Function]