

## **Product datasheet for MR222988**

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OriGene Technologies, Inc.

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

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Arpp21 (NM\_028755) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Arpp21

**Synonyms:** 0710001E13Rik; Al853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR222988 representing NM\_028755

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGGAGAAGCTGGAACTGCAGCGGCGACTGGCGGC TCAGAACCAAGAGAGGAGAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC

TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTCACCAGGATCAGACTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222988 representing NM\_028755

Red=Cloning site Green=Tags(s)

MSEQGGLTPTILEEGQTEPESAPENGILKSESLDEEEKLELQRRLAAQNQERRKSKSGAGKGKLTRSLAV

CEESSARSGGESHQDQTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

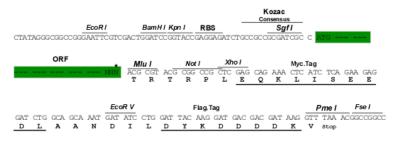
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_028755

ORF Size: 264 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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 028755.3, NP 083031.1

RefSeq Size: 3328 bp RefSeq ORF: 267 bp



**Locus ID:** 74100

UniProt ID: Q9DCB4

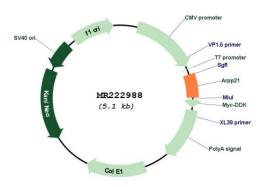
Cytogenetics: 9 62.46 cM

**MW:** 9.5 kDa

**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 MR222988