

Product datasheet for MG222988

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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; Al853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG222988 representing NM_028755

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGGAGAAGCTGGAACTGCAGCGGCGACTGGCGGC TCAGAACCAAGAGAGAGAAAATCCAAGTCAGGAGCAGGCAAAGGGAAGCTGACCAGAAGTCTTGCTGTC

TGTGAAGAGTCTTCAGCTAGATCTGGAGGGGAAAGTCACCAGGATCAGACTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222988 representing NM_028755

Red=Cloning site Green=Tags(s)

 ${\tt MSEQGGLTPTILEEGQTEPESAPENGILKSESLDEEEKLELQRRLAAQNQERRKSKSGAGKGKLTRSLAV}$

CEESSARSGGESHQDQTL

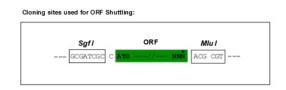
TRTRPLE - GFP Tag - V

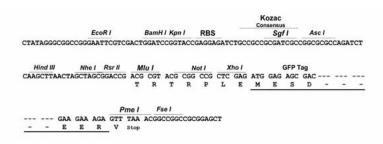
Restriction Sites: Sgfl-Mlul



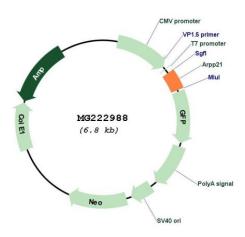


Cloning Scheme:





Plasmid Map:



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



Arpp21 (NM_028755) Mouse Tagged ORF Clone - MG222988

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: <u>NM 028755.3</u>, <u>NP 083031.1</u>

 RefSeq Size:
 3328 bp

 RefSeq ORF:
 267 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]