OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222989

Arpp21 (NM_001177616) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_001177616) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arpp21
Synonyms:	0710001E13Rik; AI853636; ARPP-21; D9Bwg1012e; R3hdm3; Tarpp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR222989 representing NM_001177616
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG
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Protein Sequence:

>MR222989 representing NM_001177616
Red=Cloning site Green=Tags(s)

MSEQGGLTPTILEEGQTEPESAPENGILKSESLDEEEKLELQRRLAAQNQERRKSKSGAGKGKLTRSLAV
CEESSARSGGESHQDQESIHLQLSSFPSLQEEDKSRKDDSEREKEKDKNREKLSERPKIRMLSKDCSQEY
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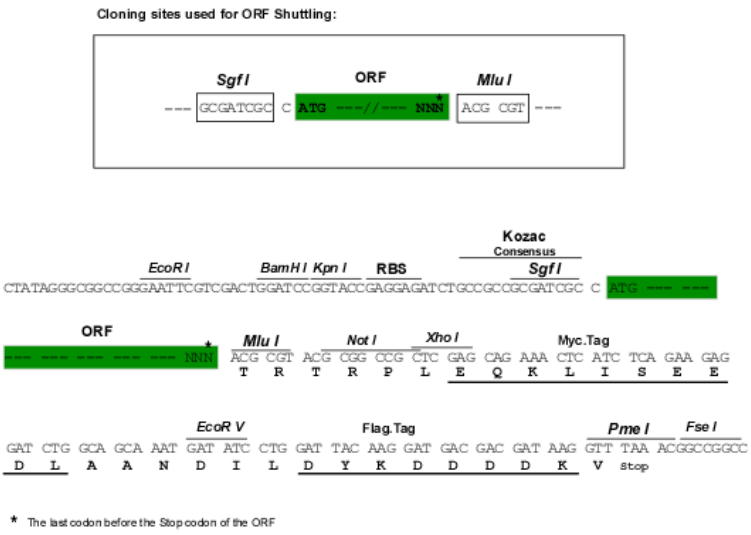
Restriction Sites: SgfI-MluI

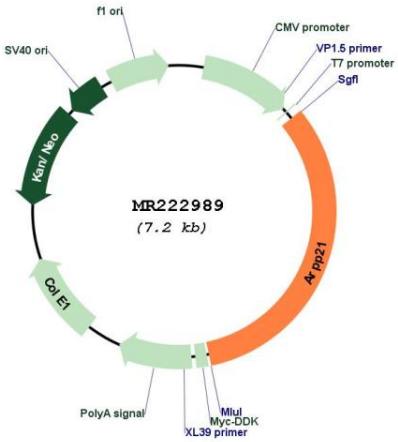
Cloning Scheme:



ACCN:	NM_001177616
ORF Size:	2367 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_001177616.1, NP_001171087.1
RefSeq Size:	3423 bp
RefSeq ORF:	2370 bp
Locus ID:	74100
UniProt ID:	Q9DCB4
Cytogenetics:	9 62.46 cM
MW:	86.1 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 MR222989