

Product datasheet for **MG222990**

Arpp21 (NM_033264) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_033264) 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:

>MG222990 representing NM_033264
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAGCAAGGAGGACTGACTCCGACCATACTGGAAGAAGGGCAGACGGAGCCAGAGTCTGCCCCAG
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 AACCTAAGGTTGATGGGTCCACACTGCCCTCCAGCAGGTTCTGTGATGTCCGCTAGTTGCAGAACAA
 ACTGTGGGAACGTGAGCAACGCAGGCTGGCAGGTCAAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222990 representing NM_033264
 Red=Cloning site Green=Tags(s)

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MSEQGGLTPTILEEGQTEPESAPENGILKSESLDEEEKLELQRRLLAAQNQERRKSKSGAGKGLTRSLAV
CEESSARSGGESHQDQESIHLQLSSFPSLQEEDKSRKDDSEREKEKDKNREKLSERP KIRMLSKDCSQEY
TDSTGIDLHGFLINTLKNNRDRMILLKMEQEMIDFIADSNHYYKFPQMSSYQRM LVHRVAAYFGLDHN
VDQTGKSVIINKTSSTRIPEQRFCEHLKDEKSEESQKRFILKRDNSSIDKEDNQRMHPFRDDRKSIE
EREEYQVRERIFAHDSVCSQESLFLDNSRLQEDMHICNETYKKRQLFRAHRDSSGR TSGSRQSSSETE
LRWPDHQRAWSSDSDSSNRNLKPTMTKTASF GGITVL TRGDSTSSTRSAGKLSKTGSESSSSAGSSGSL
SRTHPQSTALTSSVAAGSPGCMAYSENGMGGQVPPSSTSYILLPLESATGIPPGSILLNPHTGQPFVNP D
GTPAIYNPPGSQQLRGT VGGQPQQPPQPPSPQPPQQVQASQPQMAGPLVTQREELAAQFSQLSMSRQS
SGDTPEPPSGTVYPASLLPQTAQPQSYVITSAGQQLSTGGFSDSGPPI SQQVLQAPPSPQGFVQPPPAQ
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SSQQGAPVHGMVSYPTMSSYQVPMTQGSQAVPQQTYQPPIMLPSQAGQGS L PATGMPVYCNVTPPNPQN
NLRLMGPHCPSSSTVPVMSASCR TNCGNVSNAGWQVKF
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_033264.2](#), [NP_150289.1](#)

RefSeq Size: 3310 bp

RefSeq ORF: 2424 bp

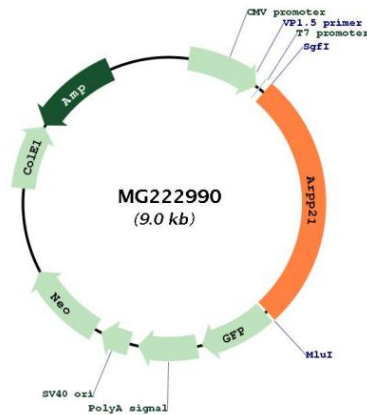
Locus ID: 74100

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 MG222990