

Product datasheet for **RG234888**

ARPP21 (NM_001267617) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARPP21 (NM_001267617) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARPP21
Synonyms:	ARPP-21; R3HDM3; RCS; TARPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234888 representing NM_001267617
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGAGCAAGGAGACCTGAATCAGGCAATAGCAGAGGAAGGAGGACTGAGCAGGAGACGGCCACTC
 CAGAGAACGGCATTGTTAAATCAGAAAGTCTGGATGAAGAGGAGAACTGGAAGTGCAGAGGCGGCTGGA
 GGCTCAGAAATCAAGAAAGAAATAATCCAGTCAAGAGCAGGAAAAGGTAAGTAACTGACTCGCAGCCTTGCT
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 CCAGTGATGTAGCTAGCTGCAGAACAACCTGTGCAAGTATGAGCAATGCTGGTTGGCAGGTCAAATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234888 representing NM_001267617
 Red=Cloning site Green=Tags(s)

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MSEQGDLNQAIAEEGGTEQETATPENGI VKSESLDEEEKLELQRRLEAQNQERRKSKSGAGKGLTRSLA
VCEESSARPGGESLQDQESIHLQLSSFSSLQEEDKSRKDDSEREKEKDKNKDKTSEKPKIRMLSKDCSQE
YTDSTGIDLHEFLINTLKNNSRDRMILLKMEQEIIDFIADNNNHKKFPQMSSYQRM LVHRVAAYFGLDH
NVDQTGKSVIINKTSSTRIPEQRFCHEHLKDEKGEESQKRFILKRDNSSIDKEDNQSVCSQESLFVENRGN
RDGSGRTSGSRQSSSENLKWSHDQRAWSSTSDSSNRNLKPAMTKTASFGGITVLTRGDSTSSTRSTGK
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IPPGSILLNPHTGQPFVNPDGTPAIYNPPTSQQPLRSAMVQSQQQPPQQPQQPQQVQPPQPMAGP
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SSLMPQPAQQPSYVIASGTGQLPTGGFSGSGPPI SQVLQPPSPQGFVQPPPAQMPVYYYYPSGQYPTS
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YPTMSSYQVPMTQGSQGLPQQSYQQPIMLPNQAGQGSLPATGMPVYCNVTPPTPQNNLRLIGPHCPSSV
PVMSASCRTNCASMSNAGWQVKF
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001267617

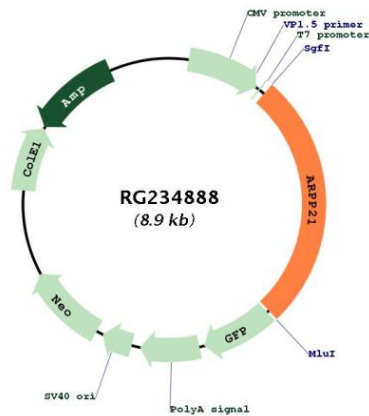
ORF Size: 2379 bp

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_001267617.1](#), [NP_001254546.1](#)
- RefSeq Size:** 3184 bp
- RefSeq ORF:** 2382 bp
- Locus ID:** 10777
- UniProt ID:** [Q9UBL0](#)
- Cytogenetics:** 3p22.3
- Gene Summary:** This gene encodes a cAMP-regulated phosphoprotein. The encoded protein is enriched in the caudate nucleus and cerebellar cortex. A similar protein in mouse may be involved in regulating the effects of dopamine in the basal ganglia. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG234888