

Product datasheet for **MG201811**

Apom (NM_018816) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apom (NM_018816) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Apom
Synonyms: 1190010O19Rik; G3a; NG20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201811 representing NM_018816
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCACCAAGTTTGGGCAGCTCTGCTCTCTCTATGGCCTTCTCTTAACTCCATGAATCAGTGCC
CTGAGCACAGTCAACTAAGTGGGATGGACGACACAGAGACCCAGAGCCCCACCTGGGCCTGTG
GACTTTATTGCGGGAGCAGCCCCACCACGGAAGAGTTGGCACTTTTGATCCGGTGGACAATATTGTC
TCAACATGGCTGCCGGCTCTGCCCAAGGCAGCTCCAGCTTCGTGCTACCATCCGCACGAAAAGTGGG
TCTGTGTGCCCGAAGTGGACATACCGATTGACTGAAGGAAAGGAAACATGGAATCAGAAGTGAAGG
GCGCCAGACATGAAAACAGACCTGTTCTCCAGCTCGTGCCAGGAGGAATCATGCTGAAAGAGACGGGC
CAGGGCTACCAGCGCTTTCTCCTCTACAATCGGTACCACACCCTCCAGAGAAGTGTGTGGAGGAATTCA
AGTCTCTGACCTTTGCTTGGACTTCAAAGCCTTCTTAGTGACTCCAGGAATCAAGAGGCTGCCCGCT
GTCCAGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201811 representing NM_018816
Red=Cloning site Green=Tags(s)

MFHQVWAALLSLYGLLFNSMNQCPEHSQTLALGMDDTETPEPHLGLWYFIAGAAPTTEELATFDPVDNIV
FNMAAGSAPRQLQLRATIRTKSGVCPVKWYRLTEGKGNMELRTEGRPDMKTDLFSSSCPFGIMLKETG
QGYQRFLLYNRSPHPPEKCVVEFKSLTSCLDKFAFLVTPRNQEACPLSSK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

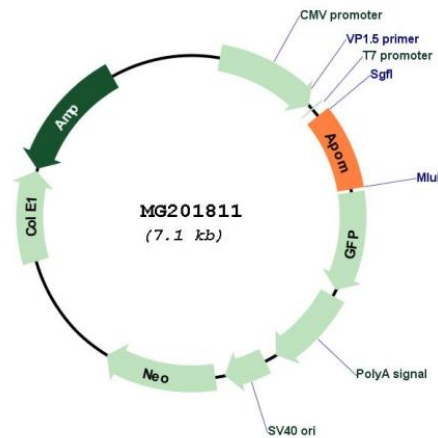


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Cloning Scheme:



Plasmid Map:



ACCN: NM_018816

ORF Size: 570 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_018816.1](#), [NP_061286.1](#)

RefSeq Size: 731 bp

RefSeq ORF: 573 bp

Locus ID: 55938

UniProt ID: [Q9Z1R3](#)

Cytogenetics: 17 B1

Gene Summary: Probably involved in lipid transport. Can bind sphingosine-1-phosphate, myristic acid, palmitic acid and stearic acid, retinol, all-trans-retinoic acid and 9-cis-retinoic acid (By similarity).[UniProtKB/Swiss-Prot Function]