

Product datasheet for MR201811

Apom (NM_018816) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apom (NM_018816) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Apom
Synonyms: 1190010O19Rik; G3a; NG20
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201811 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCCACCAAGTTTGGGCAGCTCTGCTCTCTCTATGGCCTTCTCTTTAACTCCATGAATCAGTGCC
 CTGAGCACAGTCAACTAACTGCGCTGGGAATGGACGACACAGAGACCCAGAGCCCCACCTGGGCCTGTG
 GTACTTTATTGCGGGAGCAGCCCCACCACGGAAGAGTTGGCACTTTTGATCCGGTGGACAATATTGTC
 TTCAACATGGCTGCCGGCTCTGCCCAAGGCAGCTCCAGCTTCGTGCTACCATCCGCACGAAAAGTGGGG
 TCTGTGTGCCCGGAAGTGGACATACCGATTGACTGAAGGAAAGGAAACATGGAATCAGAATGAAGG
 GCGCCCAGACATGAAAACAGACCTGTTCTCCAGCTCGTGCCAGGAGGAATCATGCTGAAAGAGACGGGC
 CAGGGCTACCAGCGCTTCTCCTCTACAATCGGTCAACACCCCTCCAGAGAAGTGTGTGGAGGAATTCA
 AGTCTCTGACCTTTGCTTGGACTTCAAAGCCTTCTTAGTGACTCCCAGGAATCAAGAGGCTGCCCGCT
 GTCCAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201811 protein sequence
 Red=Cloning site Green=Tags(s)

MFHQVWAALLSLYGLLFNSMNQCPEHSQTLALGMDDTETPEPHLGLWYFIAGAAPTTEELATFDPVDNIV
 FNMAAGSAPRQLQLRATIRTKSGVCVPRKWTYRLTEGKGNMELRTEGRPDMKTDLFSSSCP GGIMLKETG
 QGYQRFLLYNRSPPHPEKCVVEEFKSLTSCLDFKAFVTPRNQEACPLSSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018816

ORF Size: 573 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

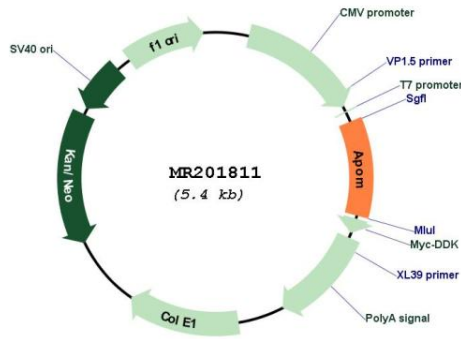
RefSeq ORF: 573 bp

Locus ID: 55938

UniProt ID: [Q9Z1R3](#)

Cytogenetics: 17 B1
MW: 21.3 kDa
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]

Product images:



Circular map for MR201811