

Product datasheet for **MG203343**

Aph1c (BC050923) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Aph1c (BC050923) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Aph1c
 Synonyms: Aph1b, APH-1b
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG203343 representing BC050923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGCTGCCTGTGTTCTTCGGTTGCGCCTTCATCGCCTTCGGGCCGCGTTTCGCACTCTACCTTTCA
 CCATCGCCACCGACCCTTTGCGCGTCATTTTCCTCATCGCTGGTCTTTCTTCTGGTTGGTGTCTCTCT
 GCTTCGTCATGTTTTGGTTCTAGTGAGAGTCATTAACAACAGAGATGAATCAGTACAGAATTAT
 CTGCTCATCTTCGGAGCGTTGCTCTGTCTGTATCCAAGAGCTGTTTCAGGCTCGCATATTATAAGCTGT
 TAAAAAAGCCAGTGAGGTTTAAAAAGCATAAACCCGGAGGAGGACATAGCACCTCGATGCGACTGTT
 GCGGTATGTTTCTGGCTTGGGCTTGGAAATCATGAGTGGAGTGTTCCTTTGTGAACACCCTGTCTAAC
 TCCTTGGGGCCAGGCACAGTGGGCATTCATGGTATTCTCCTCAGTTCTTCTTAATTCAGCTTTTCATGA
 CACTGGTCTGTCATAATGCTGCACGTGTTCTGGGCGTTGTGTTCTTTGATGGCTGTGAGAAGAATAAGTG
 GTACACCTCCTCACGGTCTCCTGACGCATCTGGTGGTGTCCACCCAGACTTTTCTAAGTCCTTATTAT
 GAAGTGAATCTGGTAACAGCATATAATCATGGTGTCTATGGGCATCTGGGCATTTTATGTTGCTGGAG
 GCAGCTGCCGAAGCCTGAAATTCGCCTGCTCTGCCAAGACAAGGATTTCTTCTTTACAACCAACGCTC
 CAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203343 representing BC050923
 Red=Cloning site Green=Tags(s)

MTLPVFFGCAFIAFGPALYLFTIATDPLRVIFLIAGAFFWLVSLLSSMFWFLVRVITNNRDESQNY
 LLIFGALLSVCIQELFRLAYYKLLKKASEGLKSINPEEDIAPSMRLLAYVSGLGFGIMSGVFSFVNTLSN
 SLGPGTVGIHGDSPOFFLNSAFMTLVVIMLHVFWGVVFFDGCENKWTLLTVLLTHLVVSTQTFLSPYY
 EVNLVTAYIIMVLMGIWAFYVAGGSCRSLKFCLLCQDKDFLLYNQSR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: BC050923

ORF Size: 776 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: [BC050923](#), [AAH50923](#)

RefSeq Size: 5204 bp

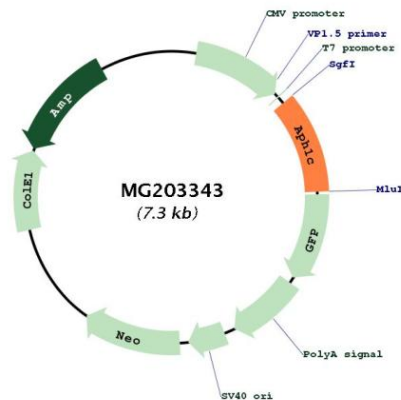
RefSeq ORF: 776 bp

Locus ID: 68318

Cytogenetics: 9 C

Gene Summary: Potential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral proteins such as Notch receptors and APP (amyloid-beta precursor protein).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203343