

Product datasheet for **MR203343**

Aph1c (NM_026674) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Aph1c
Synonyms:	0610008A10Rik; APH-1b; Aph1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR203343 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGCTGCCTGTGTTCTTCGGTTGCGCCTTCATCGCCTTCGGGCCCGCGTTGCGACTCTACCTCTTCA
CCATCGCCACCGACCCCTTTCGCGCTCATTTTCCTCATCGCTGGTGCTTTCTTCTGGTTGGTGTCTCTCCT
GCTTCGTCCATGTTTTGGTTCCTAGTGAGAGTCATTACTAACAACAGAGATGAATCAGTACAGAATTAT
CTGCTCATCTTCGGAGCGTTGCTCTGTCTGTATCCAAGAGCTGTTGAGGCTCGCATATTATAAGCTGT
TAAAAAAGCCAGTGAGGGTTTGAAGCATAAACCCGAGGAGGACATAGCACCCCTCGATGCGACTGTT
GGCGTATGTTTCTGGCTTGGGCTTTGGAATCATGAGTGGAGTGTTCCTTTGTGAACACCCTGTCTAAC
TCCTTGGGGCCAGGCACAGTGGGCATTATGGTGATTCTCCTCAGTTCTCCTTAATTCAGCTTTTCATGA
CACTGGTCGTCAATGCTGCACGTGTTCTGGGCGTTGTGTTCTTTGATGGCTGTGAGAAGAATAAGTG
GTACACCCTCCTACGGTTCCTGACGCATCTGGTGGTGTCCACCCAGACTTTTCTAAGTCTTATTAT
GAAGTGAATCTGGAACAGCATATATAATCATGGTGCTCATGGGCATCTGGGCATTTTATGTTGCTGGAG
GCAGCTGCCAAGCCTGAATTCGCTGCTCTGCCAAGACAAGGATTTTCTTTTACAACCAACGCTC
CAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR203343 protein sequence
 Red=Cloning site Green=Tags(s)

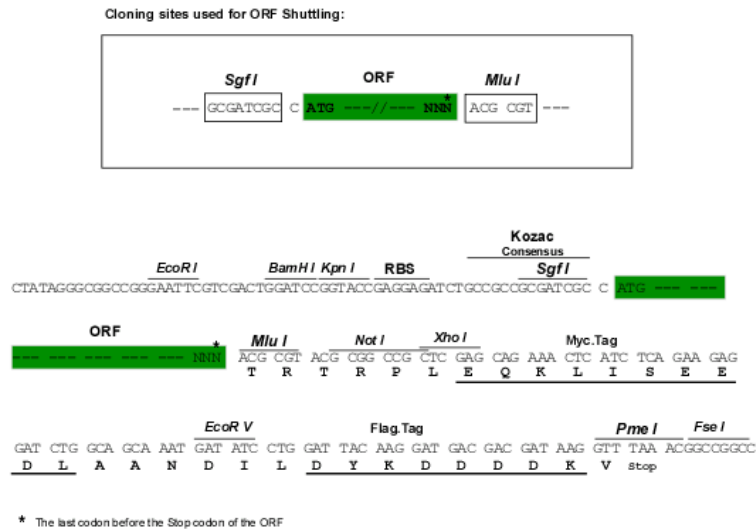
MTLPVFFGCAFIAGPAFALYLFITADPLRVIFLIAGAFFWLVSLLSSMFVFLVRVITNNRDESVQNY
 LLIFGALLSVCIQELFRLAYYKLLKASEGLKSNPEEDIAPSMRLAYVSGLGFGIMSGVFSFVNTLSN
 SLGPGTVGIHGDSPQFFLNSAFMTLVVIMLHVFWGVVFDGCEKNKWTLLTVLLTHLVVSTQTFLESPYY
 EVNLVTAYIIMVLMGIWAFYVAGGSCRSLKFCLLCQDKDFLLYNQSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_026674

ORF Size:

774 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:

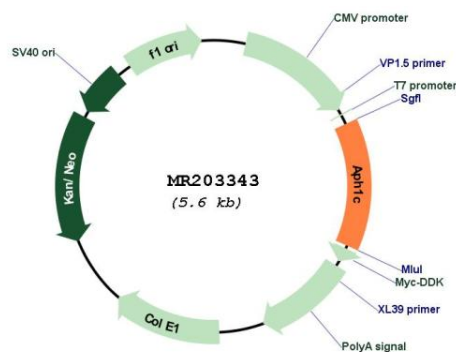
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_026674.3, NP_080950.1</u>
RefSeq Size:	5185 bp
RefSeq ORF:	777 bp
Locus ID:	68318
UniProt ID:	<u>Q9DCZ9</u>
Cytogenetics:	9 C
MW:	29 kDa
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 MR203343