

Product datasheet for **RC235194**

ARHGAP20 (NM_001258418) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARHGAP20 (NM_001258418) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ARHGAP20
Synonyms: RARHOGAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235194 representing NM_001258418
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAACACTAGCAGAAAGGAGGAGGAGCGCTCCATCTCTTATCCTGGATAAAGCCCTACAAAAACGGC
CTACTACCAGGGACAGTCTTCTGCTAGTGTGACACATGCACATTTCTGTCATCATTAGTGTGCTCCAA
TAGGACTCTGCTGATTGATGGCCGGCAGAACTCAAAGAGGCCCTCAGAGGCAGGAGCGGCATCTTTTC
CTATTCATGATCTGTTTGTGGCCAAAATCAAATATAACAATAACTTTAAGATAAAAAATAAAATTA
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TCTTCGCCAAGGACATTGGGAATTGTGCCTACTCTAAACTATAACAGTAATGAATTCAGATACAGCGAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235194 representing NM_001258418
 Red=Cloning site Green=Tags(s)

MKTLAERRRSAPSLILDKALQKRPTTRDPSASVDTCTFLSSLVCSNRTLLIDGRAELKRGLQRQERHLF
 LFNDLFVVAIKIKYNNFKIKNKIKL TDMWTASCVDEVEGEGNTAMKSFVLGWPTVNFVATFSSPEQKDKW
 LSLLRQYINLEKEKDYPKSIPLKIFAKDIGNCAYSKTITVMNSDTANEVINMSLPLMGITGSRDYQLWV
 NSGKEEAPYPLIGHEYPIYGIKMSHLRDSALLTPGSKDSTTPFNLQEPFLMEQLPREMQCQFILKPSRLAA
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 QKDEDYKQNPQLQEEGKTCFKQSLVTGTDVSKKNATTQNTKKKSLSGSEGNHVKLPKSKPVAISVASY
 SPMSSQDHSKNQPFVNTSGYSPHTADALGPRTHRRRCSEPNIEDQNRKLTYL RGIYSKKQHKTSCEAG
 LLHG EEDYLKRHKS LQMEGQKLINQSLVMGIEVGKSSATNQNTKVLPPRLNLCPRRTSYSSLSSPGTSPS
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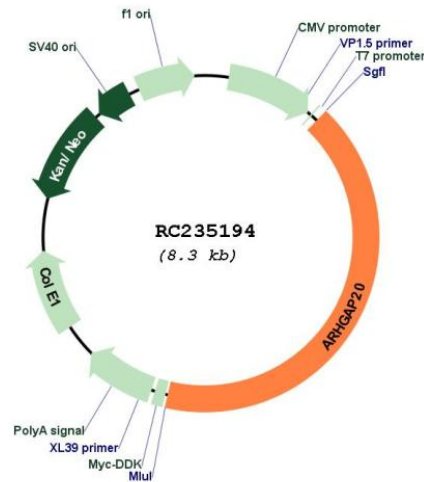
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001258418

ORF Size: 3465 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_001258418.1](#), [NP_001245347.1](#)

RefSeq Size: 6017 bp

RefSeq ORF: 3468 bp

Locus ID: 57569

UniProt ID: [Q9P2F6](#)

Cytogenetics: 11q22.3-q23.1

MW: 129.4 kDa

Gene Summary: The protein encoded by this gene is an activator of RHO-type GTPases, transducing a signal from RAP1 to RHO and impacting neurite outgrowth. [provided by RefSeq, Sep 2016]