

## Product datasheet for RC235203

### ARHGAP20 (NM\_001258415) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP20 (NM_001258415) 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:	>RC235203 representing NM_001258415 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

ATGTCTGCCCGGGAGCGGCAGCCGGCGCTGAAGAAGAAAATGAAAACACTAGCAGAAAGGAGGAGGAGCG  
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CCCTGCTTATACAATTTCTGATTGAGAATTGCCTTAGGATATTTGGAGAAGAAATCACTTCCCTCTTCAG  
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CATT

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ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235203 representing NM\_001258415  
 Red=Cloning site Green=Tags(s)

MSARERQPALKKKMKTLAERRRSAPSLILDKALQKRPTTRDSPSASVDTCTFLSSLVCSNRLLIDGRAE  
 LKRGLQRQERHLFLFNDLFVVAIKYNNNFKIKNKIKL TDMWTASCVDEVGEGNTNAMKSFVLGWPTVNF  
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 GITGSEYDYQLWVNSGKEEAPYPLIGHEYPIYGIKMSHLRDSALLTPGSKDSTTPFNLQEPFLMEQLPREM  
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 PSSGQACSRPAYTKKDTMEWSQMHSVTLHPSTWLRNGVASLKNWLSLKKAKAARPEEKKIASPKGPLEP  
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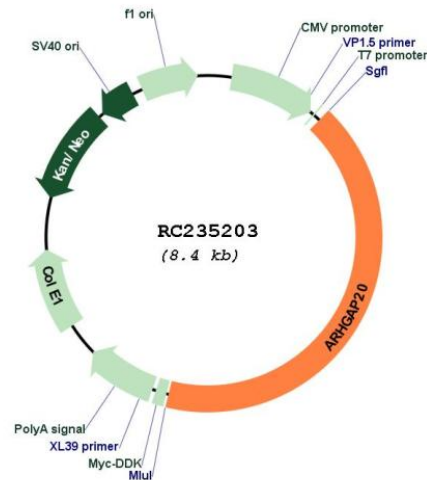
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001258415

ORF Size: 3504 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\\_001258415.2](#)

RefSeq Size: 6199 bp

RefSeq ORF: 3507 bp

Locus ID: 57569

UniProt ID: [Q9P2F6](#)

Cytogenetics: 11q22.3-q23.1

**MW:** 130.9 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]