

Product datasheet for **SC315817**

ARHGAP9 (NM_001080157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP9 (NM_001080157) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP9
Synonyms:	10C; RGL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

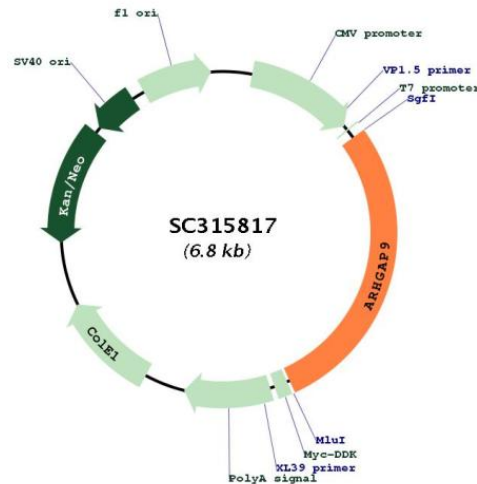


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Fully Sequenced ORF: >SC315817 representing NM_001080157.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCTATCCAGCCGGTGGTGGCCAAGTTCTGGGGATCCTAGGGCTGGGCCCCGAAGCCCTCCTCGG
GGATCCAGCTCTGTGCCCTCTATGCCTTACTTATACTGGGGCAGATGGCCAGCAGGTGTCTCTGGCT
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001080157

Insert Size: 1923 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001080157.1](#)

RefSeq Size: 2604 bp

RefSeq ORF: 1923 bp

Locus ID: 64333

UniProt ID: [Q9BRR9](#)

Cytogenetics: 12q13.3

MW: 70.9 kDa

Gene Summary: This gene encodes a member of the Rho-GAP family of GTPase activating proteins. The protein has substantial GAP activity towards several Rho-family GTPases in vitro, converting them to an inactive GDP-bound state. It is implicated in regulating adhesion of hematopoietic cells to the extracellular matrix. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.