

## Product datasheet for **SC104625**

### ARHGAP9 (NM\_032496) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP9 (NM_032496) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP9
Synonyms:	10C; RGL1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032496, the custom clone sequence may differ by one or more nucleotides

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ATGCTATCCAGCCGGTGGTGGCCAAGTTCCTGGGGATCCTAGGGCTGGGCCCCGAAGCCCTCCTCGGG
GATCCCAGCTCTGTGCCCTCTATGCCTTTACTTATACTGGGGCAGATGGCCAGCAGGTGTCTCTGGCTGA
AGGGGATAGGTTCTACTGCTTCGAAAGACCAACTCCGACTGGTGGTTGGCAAGACGCCTAGAAGCTCCC
TCCACCTCTCGACCCATCTTCGTCCCAGCAGCCTATATGATAGAGGAATCCATCCCTTCCCAGAGTCCAA
CTACCGTCATCCCCGGCCAATTGCTCTGGACTCCTGGGCCGAAGTTGTTTCATGGTTCCCTGGAGGAGTT
GTCTCAGGCCCTCCCAAGCAGGGCTCAGGCTAGCTCGGAGCAGCCTCCTCCACTTCCCAGAAAATGTGT
AGGAGCGTCAGCACTGACAATCTGAGCCCCAGCCTTCTGAAGCCTTCCAGGAAGGACCAAGCGGAAGAT
CCCTCTCCAGGAAGACTTGCCGTCAGAAGCCAGTGCCAGCACAGCAGGCCCCAGCCCTCATGTCAGA
GCCCTGTGTACTGTAACTGGTGGACCTTCGCCGTGTCTCGGTCCCACCCAGGCCCTGCATGC
CCCCTGTGCAGAGGCTGGATGCCTGGGAGCAGCACTGGACCCAACTCTGGACGCTGCTTCTACATAA
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GGAGGGGACACAGACCCTGAAGAGGAACAATGATGTCTGCAACCTCAGGCAAAGGGCTTCAAGTCTGAC
ACAGGGACCCAGAACCGCTTGACCCACAGGGTCACTCAGCCTCAGCCAACGCACCTCGAGCTTGACC
CTCCAGCCTTGACAGGCCCTCGACCTCTGCCGAGCTCCTGGACGACCCCATGAGGTGGAAAAGTCGGG
TCTGCTCAACATGACCAAGATTGCCAAGGGGGCGCAAGCTCAGGAAGAAGTGGGGCCCGTCTTGGGTG
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ACAGAGCTGCGAGCCTGGCACCAGCGGCTGCGGACTGTATCGAGCGGCTGGATCGGAGAGAACCCTGG
AGCTGCGTCTGTGGGCTCTGGACCCGCGGAGCTGAGCGCCGGGAGGACGAAGAAGAGGAGTTCGGAGCT
GGTGTCCAAGCCGCTGCTGCGCCTCAGCAGCCGCGGAGCTCCATTGGGGGCCCGAAGGCACCGAGCAG
AACCAGCTGCGCAACAACTAAAGCGGCTCATCGGAAGAGACCGCCCTTACAAAGCCTGCAGGAGCGGG
GTCTGCTCCGAGACCAGGTGTTCCGGCTGCCAGTTGGAATCACTCTGCCAGCGGGAAGGAGACACGGTGCC
CAGCTTTTGGCGCTCTGCATTGCTGTGGATAAAAGAGGTCTAGATGTGGATGGCATTATCGGGTG
AGCGGGAACCTGGCAGTGGTCCAGAAGCTTCGCTTCTGGTGGACAGAGAGCGTGCAGTACCTCCGATG
GGAGGTATGTGTCCAGAACAGCCAGGACAAGAAGTTCGGTTAGATTTGGACAGTACTGAGTGGGATGA
CATTTCATGTGGTACCCGAGCCCTGAAGCTTTTCTCCGGGAGCTGCCCCAGCCTCTGGTGCCACCACTG
CTGCTGCCCATTTCCGTGCTGCCCTTGCACCTCCGAATCAGAGCAGTGCCTCTCTCAGATACAAGAAT
TAATAGGCTCAATGCCAAGCCCAACCATGACACTCTACGGTACCTCCTGGAGCATTATGCAGGGTGTAT
AGCACACTCAGATAAGAAATCGCATGACACCCACAACCTGGGAATTGTGTTTGGACCAACCTGTTTCGG
CCAGAGCAGGAGACATCTGACCCAGCAGCCATGCTCTTACCCAGGGCAGCTGGTCCAGCTGATGCTCA
CCAACCTCACCAGCCTTCCCCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_032496 unedited</p> <pre>GGTTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTTGAACCT GATTCTTTCTTCTATCTCCTTCTGTGTCCACCTCAAGACTCCCACCTACCCAGGAC CAACTCCTGCTCCTGAATCTTCTGATGGGCCCCACAAGGTGACAGTGCTGGCTACAATGC TATCCAGCCGGTGGTGGCCAAGTTCCTGGGGGATCCTAGGGCTGGGCCCCGAAGCCCTC CTCGGGGATCCCAGCTCTGTGCCCTCTATGCCTTACTTATACTGGGGCAGATGGCCAGC AGGTGCTCTGGCTGAAGGGGATAGGTTCTACTGCTTCGAAAGACCAACTCCGACTGGT GGTTGGCAAGACGCCTAGAAGCTCCCTCCACCTCTCGACCCATCTTCGTCACGAGCCT ATATGATAGAGGAATCCATCCCTTCCCAGAGTCCAACACCGTCATCCCCGGCCAATTGC TCTGGACTCCTGGGCCGAAGTTGTTTCATGGTTCCTGGAGGAGTTGTCTCAGGCCCTCC CAAGCAGGGCTCAGGCTAGCTCGGAGCAGCCTCCTCCACTTCCCCGAAAATGTGTAGGA GCGTCAGCACTGACAATCTGAGCCCCAGCCTTCTGAAGCCTTCCAGGAAGGACCAAGCG GAAGATCCCTCTCCAGGAAGACTTGCCGTCAGAAGCCAGTGCCAGCACAGCAGGCCCCC AGCCCCTCATGTCAGAGCCNCTGTGTACTGTAACTGGTGGACCTTCGCCGCTGTCTC GGTCCCCACCCAGGCCCTGCATGCCCTGCTGCAAAGGCTGGATGCCTGNGAGCAGC ACCTGGACCCCACTCTGGACGCTGCTTCTACATAAATCACTGACTGGCTGCAAGTCTGA AAGCCCGCCCCCGCATCCAG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_032496 unedited</p> <pre>GGGGGCCAAAGNANATACCTTTTNNNNNNGGNNTTGGGGNNACGGAGGCGCNTTTNAG GANCGAGNNTTAAATCTTACCAT GCCACTTATGTATTATTATGTTGGGAGGAATGATAACAGGGAACAAAAAAGCAG GGGTTAATCCACTCACTTTCCTTTTTAAAAAGCTCCCTTACCCATCCCAACACCTAAG TCACACTCATGAAAAATTTTTCAGTCATTTGGAAATTTAAAGGGATATCCTCAAAACAA AACACCAGCCTTTCACCACAAAATGACCGGAAATATGGTTTCTTCTTCTTCCCTG CATCAGGGGAAAAGGCTGGTGAATTTGGTGAAGTCAACTGGACCAACTGCCCTGGGTAA AAAGCATGGGCTGCTGGGTCAAATGTCTCTGCTCTGGCCGAAACAGGGTTGGTCCAAAC ACAATCCCAGGTTGTGGGGTGCATGCGATTCTATCTGAGTGTGCTATCACCAAGGG CAGCACGAAAATGGGGCAACAGCAGTGGTGGCACCAGAGGCTGGGGCAGCTCCCGAGAA AAAGCTCAGGGCTCCGGTGACCACATGAATGTCATCCCACTCAGTACTGTCCAAATCTAA CCGACCTTCTTGTCTGGCTGTTCTTGAACACATACCCTCCATTCCGAGGTGACCGCAC GCTTCTGTCCACCAAGAAAGGAAACCTTTGGCACACTGNCAAGTTTCCCGCTCACCCGA AAAATGCCATCCACCTTTAAACCTTTTTATCCCCAGCAGCCAATGCAAAGCCCCAAAAA GCTGGGCACCGTGTCTCTTCCCTTGGCCAGAGGGTCCACTGGGCACCCAAACACCT GTTTTGGGGAAAAAAGGAGGGGGGAACCAATGCCACGGTCATAACAGGAACTTTTTAA AAAAAGTCTTTACCTTAAAGGAAGGTGGCTCCTGGTTGCTTGGCCAACCTTGCAAAGA</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032496
<b>Insert Size:</b>	3240 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_032496.1](#), [NP\\_115885.1](#)

**RefSeq Size:** 2937 bp

**RefSeq ORF:** 2253 bp

**Locus ID:** 64333

**UniProt ID:** [Q9BRR9](#)

**Cytogenetics:** 12q13.3

**Domains:** RhoGAP, SH3, PH

**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 (1) encodes isoform 1.