

## Product datasheet for **SC107318**

### ARHGAP30 (NM\_181720) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP30 (NM_181720) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP30
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_181720, the custom clone sequence may differ by one or more nucleotides

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ATGAAGTCTCGGCAGAAAGGAAAGAAGAAGGGCAGCGCAAAGGAGCGGGTTTTTGGGTGCGACTTGCAAG
AGCACCTGCAGCACTCAGGCCAGGAGGTGCCCCAGGTGCTAAAGAGCTGTGCAGAATTTGTGGAGGAGTA
TGGAGTGGTGGATGGGATCTACCGCCTCTCAGGGGTCTCCTCCAACATCCAGAAGCTTCGGCAGGAATTT
GAGTCAGAGCGGAAGCCAGACCTGCGTCGGGATGTTTACCTCCAAGACATTCAGTGCCTCTCCCTGT
GCAAGGCCTATTTAGAGAACTGCCGGATCCCCTGCTCACTTACCGCTCTATGACAAGTTTGCTGAGGC
TGTAGGAGTGCAATTGGAACCTGAGCGCTTGGTCAAGATCCTAGAGGTGCTTCGGGAACTCCCTGTCCCA
AACTACAGGACCTGGAGTTCCTCATGAGGCACTTGGTACACATGGCCTCATTAGTGCCAGACCAACA
TGCATGCTCGCAACCTGGCCATCGTGTGGGCTCCCAACCTGCTGAGGTCTAAGGACATAGAGGCCTCAGG
CTTCAATGGGACAGCGGCCTTCATGGAGGTGCGGGTACAATCCATCGTCGTTGAGTTCATCTCACACAC
GTGGACCAGCTCTTTGGGGTGTGCCCTCTGTTGGTGGAGGTGGAGAGTGGGTGGCGATCGTCCAG
GGACCCGGGCATCAGGCAGCCCCGAGGACCTTATGCCAGGCCACTGCCTTATCACTGCCTAGCATACT
GCAGGCTGGCGATGGACCCACAGATGCGGCCCTACCATACTATCATCGAGATTGCAGAGCACAAGAGG
AAGGGGTCTTTGAAGGTGAGGAGTGGAGTCTATCTTCAATTTAGTTCGCTCTGCCATGAGACTAAGC
GTAACCTCCACGGGGGGCTGAGGACAGGGAGGATAAATCCAACAAGGGGACACTGCGGCCAGCCAAAAG
CATGGACTCACTGAGTGTGCAGCTGGGGCCAGTGATGAGCCAGAGGGGCTGGTGGGGCCAGCAGCCCC
CGGCCAAGCCCATTGCTGCCTGAGAGCTTGAGAACGATTCTATAGAGGCAGCAGAGGGTGAACAGGAGC
CTGAGGCAGAAGCACTGGGTGGCACAACCTCTGAACAGGCACACCAGAGCTGGGCGGTGAGCCATCCG
GGCTGGGGCAGCAGCCGTGCAGAACGCTGTGCTGGTGTCCACATCTCAGACCCCTACAATGTCAACCTC
CCGTACACATCACCTCTATCTCAGTGTGCCCCGCAACATCATCTAACGTTTTCTTGGCCAGGCTCA
CCCGTGGCCTTGAGTGCCCTGCTCTACAGCACCGGCCAAGCCCTGCCTCTGGCCCTGGCCCTGGCCCTGG
CCTTGGCCCTGGCCCCCAGATGAAAAGTTGGAAGCAAGTCCAGCCTCAAGTCCCCTGGCAGACTCAGGC
CCAGACGACTTGCTCCTGCCCTGGAGGACTCGCTGTCCAGGAGGTGCAGGACTCCTTCTCCTTCTAG
AGGACTCAAGCAGCTCAGAACCTGAGTGGGTGGGGCAGAGGATGGGGAGGTGGCCAGGCAGAAGCAGC
AGGAGCAGCCTTCTCCCCTGGGGAGGACACCCTGGGATGGGCTACCTGGAGGAGCTCCTGGGAGTTGGG
CCTCAGGTGGAGGAGTTCTCTGTGGAGCCACCCTGGATGACCTGTCTGGATGAGGCACAGTTTGTCT
TGGCCCCAGCTGCTGTTCCCTGGACTCCGCTGGCCCCAGGCCTGAAGTTGAGGAGGAAAATGGGGAGGA
AGTTTTCTGAGTGCCTATGATGACCTAAGTCCCCTTCTGGGACCTAAACCCCAATCTGGAAGGGTTCA
GGGAGTCTGGAGGGAGAGGCAGCAGGATGTGGAAGGCAGGCTCTGGGACAGGGTGGGGAAGAGCAGGCAT
GCTGGGAAGTTGGGGAGGACAAGCAGGCTGAGCCTGGAGGCAGGCTAGACATCAGGGAAGAGGCAGAGGG
AACCCACAGCCACCTCAGCCAGAGGAGATGGAGCCTGAGGGGCAGCCAGTCCAGACGGCTGTCTATGC
CCCTGTTCTCTTGGCCTGGGTGGCGTGGGCATGCGTCTAGCTTCCACTCTGGTTCAGGTCCAACAGGTCC
GCTCTGTGCCTGTGGTGGCCCCAAGCCACAGTTTGCCAAGATGCCAGTGCAATGTGTAGCAAGATTCA
TGTGGCACCTGCAAAATCCATGCCGAGGCCTGGCCGGCTTGATGGGACTCCTGGAGAAAGGGCTTGGGGG
TCCCGAGCTTCTCGATCCTCTTGGAGGAATGGGGGTAGTCTTTCTTTGATGCTGCTGTGCCCTAGCCC
GGGACCCGCAAAAGGACTGAGGCTCAAGGAGTTCGGCGAACCCAGACCTGTACTGAGGGTGGGGATTACTG
CCTCATCCCAGAACCTCCCCTTGTAGCATGATCTCTGCCATTCTCCTCGGCCCTTAGCTGCCTGGAG
CTCCCATCTGAAGGTGCAGAAGGGTCTGGATCCCGGAGTCGTCTTACTGCTGCCCCAGAGAACCCAGG
TTCCTGACCCCTGTTGTCTCTCAGCGCAGGTATATGCATTTGAAACACAGGTAACCCCTGGGAAAGG
TGAAGGACTGTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_181720 unedited AGTATTTTGTAAATACGACTCACTATAGGGCGGCACGCGATTTCGGCACGAGCGGGGCAGGA GCTGCTGCCCCTTGCCCAGGCCACCCTCCACCCCAATTGGGAGCCCTGCCCCCTGGGG CCGGGCCAAGCCCAGCAGCTGGCTGGGATCCCATGGGGGACTGGTAGGGCACAGGTCTTG GGGATAGAGGTGACCGGGCCAGTGCCTGGGGCTCTGGCCATGAAGTCTCGGCAGAAAG GAAAGAAGAAGGGCAGCGCAAAGGAGCGGGTTTTTGGGTGCGACTTGCAGGAGCACCTGC AGCACTCAGGCCAGGAGGTGCCCCAGGTGCTAAAGAGCTGTGCAGAATTTGTGGAGGAGT ATGGAGTGGTGGATGGGATCTACCGCCTCTCAGGGGTCTCCTCCAACATCCAGAAGCTTC GGCAGGAATTTGAGTCAGAGCGGAAGCCAGACCTGCGTCGGGATGTTTACCTCCAAGACA TTCCTGCGTCTCCTCCCTGTGCAAGGCCTATTTAGAGAACTGCCGGATCCCCTGCTCA CTTACCGCTCTATGACAAGTTTGTGAGGCTGTAGGAGTGAATTGGAACCTGAGCGCT TGGTCAAGATCTAGAGGTGGCTTCGGGAACTCCCTGTCCCAAACACAGGACCCTTGGA GTTCTCATGAGGCACTTGGTACACATGGCCTCATTAGTCCCAGACCAACATGCATGC TCGCAACCTGGCCATCGTGTGGGCTCCCAACTGCTGAGGTCTAAGACATAGAGGCCTCAT GCTTCAATGGGACAGCGCCTTCATGGAGGGGGCGGGTACATCCATCGCGGGGGGAGGTC ATCCTCCACACGTGGACGCTCTTTTGGGGGTGCTGCCTTTGTAGGTGAGTGGGAAAAA TANNNNNNCNAATTNTTTAATGACCCTGTCCTATATCGCCCCGGGCCTCTTTGCTAGGA ACTGCCTTTACCTGCTCATATAAGGAGCAAGAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_181720
<b>Insert Size:</b>	2500 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_181720.2</a></u> , <u><a href="#">NP_859071.2</a></u>
<b>RefSeq Size:</b>	3888 bp
<b>RefSeq ORF:</b>	2673 bp
<b>Locus ID:</b>	257106
<b>UniProt ID:</b>	<u><a href="#">Q7Z6I6</a></u>
<b>Cytogenetics:</b>	1q23.3

**Gene Summary:**

GTPase-activating protein (GAP) for RAC1 and RHOA, but not for CDC42.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate in-frame segment compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. COMPLETENESS: complete on the 3' end.