

## Product datasheet for **SC337478**

### ARHGAP6 (NM\_001287242) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP6 (NM_001287242) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP6
Synonyms:	RHOGAP6; RHOGAPX-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001287242, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCACCCGGTGTACCGCGGCGAGAAGCCCCAGCTGCACTACGCGGGTGATTTACCTGGAACAGCA
TGTCAGGCCCGCAGTGTACGGCTGAGGTCAGTCCCATCCAGAGTCTCTCAGAGCTGGAGAGGGCCCGCT
GCAGGAAGTGGCTTTTTATCAGTTGCAACAGGACTGTGACCTGAGCTGTGATCACCATTCCCAAAGAT
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AATTCATCCCACAGGCATTTGGAATGCCCTTATCCCAAGTCATTGCGAATGACAGGGCCTATAAACTCAA
GCAGGACTTGAGAGGGACGAGCAGAAAAGATGCATCTGACTTTGTGGCTTCCCTCCTCCCATTTGGAAT
AAAAGACAAAACAAGAAGCTCTCAAGCAGTAAGTCACTCTCAGCTCAACCTCAGAAAACCCGAATGAGT
CAACGTCCCAAACACCCCGAACCAGGCTCCTCGGGCTAGGAGGAGGGGTGCCATGTCAGTGGATTCTAT
CACCGATCTTGATGACAATCAGTCTGACTACTAGAAGCTTTACAACCTTCTTGCCTGCTGAGGCTCAA
AGTAAAAAGGAAAAGCCAGAGATAAGAACTCAGTCTGAATCCTATTTACAGACAGGTCCTTAGGCTGG
TGGACAGCTGCTGTGACACCTAGAAAAACATGGCCTCCAGACAGTGGGGATATTCGAGTTGGAAGCTC
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AGTGTTATGATGTGGCAGCCTTGTGAAAGAGTTCCTGAGGGACATGCCAGACCCCTTCTCACCAGGG
AGCTGTACACAGCTTTTCACTCAACTCTCTTGTGGAGCCGAGGAAACAGCTGGGCACCTTGAGCTCCT
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AGGCATGCCGATGACAACATCAGCAAAGATGGGCAAGAGGTCCTGGGAATAAAATGACATCTCTAACT
TAGCCACCATATTTGACCCAACCTGCTGCACAAGCAGAAGTATCAGACAAAAGAAATTCAGTTGAGAG
TTCAGCCCGGGCTGAGGAGAGCACGGCCATCATCGCTGTTGTGCAAAAAGATGATTGAAAATATGAAGCC
CTGTTTATGGTTCCCCAGATCTCCAGAACGAAGTGTGATCAGCCTGTTAGAGACCGATCCTGATGTCG
TGGACTATTTACTCAGAAGAAAGGCTTCCCAATCATCAAGCCCTGACATGCTGCAGTCGGAAGTTTCCTT
TCCGTGGGAGGGAGGCATTATCTACAGACTCCAACAAGGCCTCCAGCGGAGACATCTCCCTTATGAC
AACAACTCCCAAGTGTGTCTGAGCGCTCCCTGTGGCTATGCAAGAGGACGCGGCCCGGGGGGCTCGG
AGAAGCTTTACAGAGTGCAGGGCAGTTTATGCTGGTGGGCCACTTGTGCTCGTCAAAGTCAAGGAAAAG
TTCTCCTGGACCAAGGCTTGGGAAAGATCTGTGAGAGGAGCCTTTCGATATCTGGGAACTTGGCATTCA
ACATTAAGAGCGGATCCAAAGACCCAGGAATGACAGGTTCTCTGGAGACATTTTTGAAAGCAGCTCCC
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CGCAGAGCTGGACAGCAGCAGCGAGGGGCTCGGAGGACTCAGGCCGAGCCCCGCGACGAGGGGAGCC
GCCACCTGCGGTGTGCGCGCCCTGCAGCACGCCCCACGTCCAGGTGGCAGGAAAGCCGAGCGGCCCA
CGGCCAGGTGGAGCAGTACTTGACCTGAGCGGCGCCACGACCTCAGCGAGAGTGAGTGGATGTGGC
CGGGTGCAGAGCCGGGCCACACCTCAGTGCCAAAGACCCATGGGAGTGGGAGGGATGACAAGCGGCC
CCGCTCCATACCCGGGCCAGGGAAGCCCGCGGAGCGGAGCCTGGATCCAGGGGCCCGGAAAGGCG
TGGAGACACCCACGACAGGGAGGCAAGCAGCCGAGCAGAGCAGGTCACGCAGAAAAAAGTGAAG
CAGCGCAACTCCCTGCCAGCGGGCAGCAGGACAGTCCGCGCTGGGGACGCTGGCTGGCTCGACTGG
CAGAGAGAGCGCTGGCAGATCTGGGAGCTCCTGTGACCGACAACCCCGATGCCCTGCCGAGACGCTGG
TCTGA
    
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001287242

**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).

**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\\_001287242.1](#), [NP\\_001274171.1](#)

**RefSeq Size:** 3943 bp

**RefSeq ORF:** 2385 bp

**Locus ID:** 395

**UniProt ID:** [O43182](#)

**Cytogenetics:** Xp22.2

**Gene Summary:** This gene encodes a member of the rhoGAP family of proteins which play a role in the regulation of actin polymerization at the plasma membrane during several cellular processes. This protein is thought to have two independent functions, one as a GTPase-activating protein with specificity for RhoA, and another as a cytoskeletal protein that promotes actin remodeling. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (6) differs in the 5' UTR and CDS, and uses an alternate downstream translation start, compared to variant 1. The resulting protein (isoform 6) has a shorter N-terminus, compared to isoform 11. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.