

## Product datasheet for **RN217169**

### Arhgap17 (NM\_001270694) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap17 (NM_001270694) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap17
Synonyms:	Rich1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217169 representing NM\_001270694  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGAAGCAATTCAACCCGATGAAGCAGCTGGCCAACCAGACTGTCCGCAGAGCTGAGAAGACAGAAG  
 TCCTCAGTGAAGATCTGCTACAGATTGAACGTCGACTGGACACTGTCCGGTCAATGTGCCACCATTCA  
 TAAGCGTTTGATAGCCTGCTTCCAAGGTCAGCATGGCACCGATGCTGAGAGGAGACATAAAAAGTCTCT  
 CTGACAGCTCTCGCCAGAACATGCAGGAAGCTTCAGCCAGCTGGAAGAGTCTCTCTTGGGGAAGATGC  
 TGGAAACCTGTGGGGATGCTGAGAATCAGCTGGCTTTTGAACCTCTCAGCATGAGGTCTTTGTGGAGAA  
 GGAGATCATGGACCCTCTACGGCATAGCGGAGGTGGAGATTCCAACATCCAAAAGCAAAGGAAACAG  
 CTTGCTAGATTGGTGTGGACTGGGATTAGTCAGAGCAAGATGGAACCAAGCACACAAGTCTTCAGGAA  
 CCAACTTTCAGGGACTTCCATCTAAAATAGATACCCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT  
 CGAGCAGTGCAAGGATCAACTTGCAGCAGACATGTACAACCTCATGGCCAAGAAGGGGAATACGGCAAG  
 TTCTTTGTGACGTTATTAGAAGCCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGGCC  
 TTCCCGAAATGCGCGCCCATCAAGATAAATGGGCAGAGAAGCCAGCCTTCGGTACACCTCTGGAGGAACA  
 CCTGAAGAGGAGTGGACGTGAGATCGCTCTCCCTATTGAGGCCTGCGTCACTGTTGTTACTGGAGACTGGC  
 ATGAAGGAGGAGGGCCTTTTTCGGATCGGAGCTGGAGCCTCCAAGTTGAAGAAGCTGAAAGCTGCTCTCG  
 ACTGCTCCACGTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTCCGAGGTGCTTTAAAGTCTTA  
 TTTGCGGGAAGTGCCTGAGCCCTTAATGACTTTTCACTGTATGAAGAGTGGACACAAGTTGCAAGTGTG  
 CAGGATCAAGACAAAAAAGTCAATATTTATGGACAACATGTGAGAAGTTGCCGCCACAAAAATTTGTTA  
 ACTTTAGGTATTTAATCAAGTTCTTGCAAAAGCTCGCCAGACCCAGTGTGTTAATAAAATGACTCCTAG  
 CAACATAGCCATCGTGTGGGCCCTAACCTCCTGTGGCCAAACAAGAAGGAACCCCTGGCTGAAATAGCG  
 GCTGCCACATCTGTCCAGTGGTCCGAGTGATTGAACCTATCATCCAGCATGCCGATTGGTTCTTCCCCG  
 GAGAGGTAGAATTCAATGTATCAGAAGCATTCTGCTCTTGCTACCCCAAATTCTAATCACTCATCCCA  
 TACTGGAATGACTCTGACTCGGGGACTCTGGAGAGGAAGCGACCCGCCAGCATGGCAGTGTGGAAGGG  
 GACTTGGTGAAGAAGGAGAGTCTCCAAAACCCAAAGACTCTGTGTCTGCAGCTGCCCTGTGGCAGGAA  
 GAAACAGCAACCAGATAACCACGGTCCCAAACCCAGGCCAGACAGGTGGCAACTCCCATCAGCTCTCAGT  
 AGGCACAGCTCACAGTGCAGCTGGCCCCAGCCGCACACTCTGCGTGCAGCTGTGAAGAAACCTGCTCCG  
 GCACCCCCAAACCAGGAAACCCACCTCCTGGCCACCCTGGAGGACAGAGCTCTCCAGGCACAGGCACAT  
 CCCCAAAGCCAAGCACCCGAAGCCATCACCGCTCAGCAGCAGCAGCAGCAACAACAACAACAGCA  
 GCAGCAACAACAACAGCAGCAACAACAACAACAACAACAGCAGCAGCAGCAGACCCCGGGCATGCGCCGC  
 GTTCCAGCAGCTGCCTCCTATCCAGGCACCCAAACCACCACCACCCGACGCCCCCCACACAGCCTCGGC  
 TGGGTGAACAGGGACCAGAGCCAGGCCACGCCACCTCAGACCCCCACACCACCAGCACCACCCCC  
 GGCCAAGCAGAATTCATCCCAAAGCGAGACCACACAGCTGCATGGAACCTCCCAAGGCCACGGCCAGTG  
 CCTAAACCCCGCAACCGGCTAGTGTGCCACCACCCCGAATCCACCTGGCACCCACATGGGGGATGGTG  
 GCCTCACACCTTCAGTGCCACAGCCTCCAGAATCGTCACTGATGCCCTTCCCGGTGCCCTCACAGGTGG  
 GGAAGTTTCCAGA**ACTAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270694  
**Insert Size:** 2259 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001270694.1, NP_001257623.1</u>
<b>RefSeq Size:</b>	3192 bp
<b>RefSeq ORF:</b>	2259 bp
<b>Locus ID:</b>	63994
<b>UniProt ID:</b>	<u>Q99N37</u>
<b>Cytogenetics:</b>	1q36
<b>Gene Summary:</b>	activates RhoA, Rac1, and Cdc42 GTPases, plays a role in regulation of calcium ion dependent exocytosis, may regulate actin filament reorganization [RGD, Feb 2006] Transcript Variant: This variant (4) lacks an alternate in-frame exon and contains an alternate 3' exon with an in-frame stop codon compared to variant 1. The resulting isoform (4) lacks an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 1. 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.