

Product datasheet for **RN217269**

Arhgap17 (NM_001270692) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap17 (NM_001270692) 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: >RN217269 representing NM_001270692
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAGCAATTCAACCCGATGAAGCAGCTGGCCAACCAGACTGTCGGCAGAGCTGAGAAGACAGAAG
 TCCTCAGTGAAGATCTGCTACAGATTGAACGTCGACTGGACACTGTGCGGTCAATGTGCCACCATTCA
 TAAGCGTTTGATAGCCTGCTTCCAAGGTCAGCATGGCACCGATGCTGAGAGGAGACATAAAAAGTCTCT
 CTGACAGCTCTCGCCAGAACATGCAGGAAGCTTCAGCCAGCTGGAAGAGTCTCTCTTGGGGAAGATGC
 TGGAAACCTGTGGGGATGCTGAGAATCAGCTGGCTTTTGAACCTCTCAGCATGAGGTCTTTGTGGAGAA
 GGAGATCATGGACCCTCTACGGCATAGCGGAGGTGGAGATTCCAACATCCAAAAGCAAAGGAAACAG
 CTTGCTAGATTGGTGTGGACTGGGATTAGTCAGAGCAAGATGGAACCAAGCACACAAGTCTTCAGGAA
 CCAACTTTCAGGGACTTCCATCTAAAATAGATACCCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
 CGAGCAGTGAAGGATCAACTTGCAGCAGACATGTACAACCTCATGGCCAAGAAGGGGAATACGGCAAG
 TTCTTTGTGACGTTATTAGAAGCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGGCC
 TTCCCGAAATGCGCGCCCATCAAGATAAATGGGCAGAGAAGCCAGCCTTCGGTACACCTCTGGAGGAACA
 CCTGAAGAGGAGTGGACGTGAGATCGCTCTCCCTATTGAGGCCTGCGTCACTGTTGTTACTGGAGACTGGC
 ATGAAGGAGGAGGGCCTTTTTCGGATCGGAGCTGGAGCCTCCAAGTTGAAGAAGCTGAAAGCTGCTCTCG
 ACTGCTCCACGTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTCGCAGGTGCTTTAAAGTCTTA
 TTTGCGGGAAGTGCCTGAGCCCTAATGACTTTCAGTCTGTATGAAGAGTGGACACAAGTTGCAAGTGTG
 CAGGATCAAGACAAAAAAGTCAATATTTATGGACAACATGTGAGAAGTTGCCGCCACAAAATTTTGTTA
 ACTTTAGGTATTTAATCAAGTTCTTCAAAGCTCGCCAGACCCAGTATGTTAATAAAATGACTCCTAG
 CAACATAGCCATCGTGTGGGCCCTAACCTCCTGTGGGCCAAACAAGAAGGAACCCCTGGCTGAAATAGCG
 GCTGCCACATCTGTCCAGTGGTTCGAGTATTGAACCTATCATCCAGCATGCCGATTGGTCTTCCCCCG
 GAGAGGTAGAATTCAATGTATCAGAAGCATTCTGCTCTTGCTACCCCAAATTCTAATCACTCATCCCA
 TACTGGAATGACTCTGACTCGGGGACTCTGGAGAGGAAGCGACCCGCCAGCATGGCAGTATGGAAGGG
 GACTTGGTGAAGAAGGAGAGCTTTGGTGTGAAGCTTATGGACTTCCAGGCCACCCGGCGGGTGGCACTC
 TAAATAGAAAAGCACATATCTCTGCTTTCAGCCGCCACTCCCGCCACGGATGGCAACGCCTTGGCTCC
 AGCAGGCCAGAGCTCCCTTCTCAGAGCTTAGGGCTGACAGCAACTCAGTGGGTGGCCTGTCCCCTCT
 TCTTCGGGCATATTGGAGCAGGGGCTGAGCCCAGGTGACAGCAGTCTCCAAAACCCAAAGACTCTGTGT
 CTGACAGTGCCTGTGGCAGGAAGAAACAGCAACCAGATAACCACGGTCCCAAACCCAGGCCAGACAGG
 TGGCAACTCCCATCAGCTCTCAGTAGGCACAGCTCACAGTGCAGCTGGCCCCAGCCCGCACACTCTGCGT
 CGAGCTGTGAAGAAACCTGCTCCGGCACCCCCAAACCAGGAAACCCACCTCCTGGCCACCTGGAGGAC
 AGAGCTCTCCAGGCACAGGCACATCCCCAAAGCCAAGCACCCGAAGCCCATCACCGCTCAGCAGCAGCA
 GCAGCAGCAACAACAACAACAGCAGCAGCAACAACAACAGCAGCAACAACAACAACAACAGCAGCAG
 CAGCAGACCCCGGCATGCGCCGCTGTTCCAGCAGCCTGCCTCCTATCCAGGCACCCAAACCCACCAC
 CGCAGCCCCACACAGCCTCGGCTGGTGAACAGGGACCAGAGCCAGGCCCCACGCCACCTCAGACCCC
 CACACCACCCAGCACCCACCCCGCCAAGCAGAATTCATCCAAAGCGAGACCACACAGCTGCATGGA
 ACCCTCCAAAGGCCACGGCCAGTGCCTAAACCCCGCAACCGGCCTAGTGTGCCACCACCCCGAATCCAC
 CTGGCACCCACATGGGGATGGTGGCTCACACCTTCAAGTGCACAGCCTCCAGAAATCGTCACTGACAC
 CAATTCTAGGTTTCTGAATCACTTCGAAACATCTTTCCTGAAATACATTAGACTTGGCAAGCAAAGAA
 GTGCTGGCCATATCTGCTGGACATAGACAATGACACAGAGAGCACCGCCTT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001270692
Insert Size: 2577 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001270692.1, NP_001257621.1</u>
RefSeq Size:	3378 bp
RefSeq ORF:	2577 bp
Locus ID:	63994
UniProt ID:	<u>Q99N37</u>
Cytogenetics:	1q36
Gene Summary:	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 (1) encodes the longest isoform (1).