

Product datasheet for **RN203939**

Arhgap17 (NM_022244) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap17 (NM_022244) 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: >RN203939 representing NM_022244
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAAGCAATTCAACCCGATGAAGCAGCTGGCCAACCCAGACTGTCCGAGAGCTGAGAAGACAGAAG
 TCCTCAGTGAAGATCTGCTACAGATTGAACGTCGACTGGACACTGTCCGGTCAATGTGCCACCATTCA
 TAAGCGTTTGATAGCCTGCTTCCAAGGTCAGCATGGCACCCGATGCTGAGAGGAGACATAAAAAGTCTCT
 CTGACAGCTCTCGCCAGAACATGCAGGAAGCTTCAGCCAGCTGGAAGAGTCTCTCTTGGGGAAGATGC
 TGGAAACCTGTGGGGATGCTGAGAATCAGCTGGCTTTTGAACCTCTCAGCATGAGGTCTTTGTGGAGAA
 GGAGATCATGGACCCTCTACGGCATAGCGGAGGTGGAGATTCCAACATCCAAAAGCAAAGGAAACAG
 CTTGCTAGATTGGTGTGGACTGGGATTAGTCAGAGCAAGATGGAACCAAGCACACAAGTCTTCAGGAA
 CCAACTTTCAGGGACTTCCATCTAAAATAGATACCCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
 CGAGCAGTGAAGGATCAACTTGCAGCAGACATGTACAACCTCATGGCCAAGAAGGGGAATACGGCAAG
 TTCTTTGTGACGTTATTAGAAGCCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGGCC
 TTCCCGAAATGCGCGCCCATCAAGATAAATGGGCAGAGAAGCCAGCCTTCGGTACACCTCTGGAGGAACA
 CCTGAAGAGGAGTGGACGTGAGATCGCTCTCCCTATTGAGGCCTGCGTCACTGTTGTTACTGGAGACTGGC
 ATGAAGGAGGAGGGCCTTTTTCGGATCGGAGCTGGAGCCTCCAAGTTGAAGAAGCTGAAAGCTGCTCTCG
 ACTGCTCCACGTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTCCGAGGTGCTTTAAAGTCTTA
 TTTGCGGGAAGTCCCTGAGCCCTAATGACTTTTCACTGTATGAAGAGTGGACACAAGTTGCAAGTGTG
 CAGGATCAAGACAAAAAAGTCAATATTTATGGACAACATGTGAGAAGTGGCCCAAAAAATTTTGTTA
 ACTTTAGGTATTTAATCAAGTTCTTCAAAGCTCGCCAGACCCAGTGTGTTAATAAAATGACTCCTGAG
 CAACATAGCCATCGTGTGGGCCCTAACCTCCTGTGGCCAAACAAGAAGGAACCCCTGGCTGAAATAGCG
 GCTGCCACATCTGTCCAGTGGTCCGAGTATTGAACCTATCATCCAGCATGCCGATTGGTTCTTCCCCG
 GAGAGGTAGAATTCAATGTATCAGAAGCATTCTGCTCTTGCTACCCCAAATTCTAATCACTCATCCCA
 TACTGGAATGACTCTGACTCGGGGACTCTGGAGAGGAAGCGACCCGCCAGCATGGCAGTGTGGAAGGG
 GACTTGGTGAAGAAGGAGAGTCTCCAAAACCCAAAGACTCTGTGTCTGCAGCTGCCCTGTGGCAGGAA
 GAAACAGCAACCAGATAACCACGGTCCCAAACCCAGGCCAGACAGGTGGCAACTCCCATCAGCTCTCAGT
 AGGCACAGCTCACAGTGCAGCTGGCCCCAGCCGCACACTCTGCGTCGAGCTGTGAAGAAACCTGCTCCG
 GCACCCCCAAACAGGAAACCCACCTCCTGGCCACCCTGGAGGACAGAGCTCTCCAGGCACAGGCACAT
 CCCCAAAGCCAAGCACCCGAAGCCATCACCGCTCAGCAGCAGCAGCAGCAACAACAACAACAGCA
 GCAGCAACAACAACAGCAGCAACAACAACAACAACAACAGCAGCAGCAGACCCCGGGCATGCGCCGC
 GTTCCAGCAGCCTGCCTCCTATCCAGGCACCCAAACCCACCACCCAGCCCGCCACACAGCCTCGGC
 TGGGTGAACAGGGACCAGAGCCAGGCCACCGCCACCTCAGACCCCCACACCCACCAGCACCACCCCC
 GGCCAAGCAGAATTCATCCCAAAGCGAGACCACACAGCTGCATGGAACCCCTCCAAGGCCACGGCCAGT
 CCTAAACCCCGCAACCGGCTAGTGTGCCACCACCCCGAATCCACCTGGCACCCACATGGGGGATGGTG
 GCCTCACACCTTCAGTGGCCACAGCCTCCAGAATCGTCACTGACACCAATTCTAGGGTTTCTGAATCACT
 TCGAAACATCTTCTGAAATACATTAGACTTGGCAAGCAAGAAGTGCCTGGCCATATCTGCTGGAC
 ATAGACAATGACACAGAGAGCACCGCCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022244
Insert Size: 2343 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).
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:	NM_022244.2 , NP_071580.1
RefSeq Size:	3144 bp
RefSeq ORF:	2343 bp
Locus ID:	63994
UniProt ID:	Q99N37
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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.