

Product datasheet for **RN217242**

Arhgap17 (NM_001270693) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap17 (NM_001270693) 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: >RN217242 representing NM_001270693
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGAAGCAATTCAACCCGATGAAGCAGCTGGCCAACCAGACTGTCGGCAGAGCTGAGAAGACAGAAG
TCCTCAGTGAAGATCTGCTACAGATTGAACGTCGACTGGACACTGTGCGGTCAATGTGCCACCATTCA
TAAGCGTTTGATAGCCTGCTTCCAAGGTCAGCATGGCACCGATGCTGAGAGGAGACATAAAAAGTTCCT
CTGACAGCTCTCGCCAGAACATGCAGGAAGCTTCAGCCAGCTGGAAGAGTCTCTCTTGGGGAAGATGC
TGGAAACCTGTGGGGATGCTGAGAATCAGCTGGCTTTTGAACCTCTCAGCATGAGGTCTTTGTGGAGAA
GGAGATCATGGACCCTCTACGGCATAGCGGAGGTGGAGATTCCAACATCCAAAAGCAAAGGAAACAG
CTTGCTAGATTGGTGTGGACTGGGATTAGTCAGAGCAAGATGGAACCAAGCACACAAGTCTTCAGGAA
CCAACCTTCAGGGACTTCCATCTAAAATAGATACCCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
CGAGCAGTGAAGGATCAACTTGCAGCAGACATGTACAACCTCATGGCCAAGAAGGGGAATACGGCAAG
TTCTTTGTGACGTTATTAGAAGCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGGCC
TTCCCGAAATGCGCGCCCATCAAGATAAATGGGCAGAGAAGCCAGCCTTCGGTACACCTCTGGAGGAACA
CCTGAAGAGGAGTGGACGTGAGATCGCTCTCCCTATTGAGGCCTGCGTCACTGTTGTTACTGGAGACTGGC
ATGAAGGAGGAGGGCCTTTTTCGGATCGGAGCTGGAGCCTCCAAGTTGAAGAAGCTGAAAGCTGCTCTCG
ACTGCTCCACGTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTCGCAGGTGCTTTAAAGTCTTA
TTTGGGGAAGTGCCTGAGCCCTAATGACTTTTCACTGTATGAAGAGTGGACACAAGTTGCAAGTGTG
CAGGATCAAGACAAAAAAGTCAATATTTATGGACAACATGTGAGAAGTGGCCCAAAAAATTTTGTTA
ACTTTAGGTATTTAATCAAGTTCTTGAAGCTCGCCAGACCAAGTATGTTAATAAATGACTCCCTCA
CAACATAGCCATCGTGTGGGCCCTAACCTCCTGTGGCCAAACAAGAAGGAACCCCTGGCTGAAATAGCG
GCTGCCACATCTGTCACGTGGTGCAGTGATTGAACCTATCATCCAGCATGCCGATTGGTTCTTCCCCG
GAGAGGTAGAATTCAATGTATCAGAAGCATTCTGCTCTTGCTACCCCAAAATTCTAATCACTCATCCCA
TACTGGAATGACTCTGACTCGGGGACTCTGGAGAGGAAGCGACCCGCCAGCATGGCAGTATGGAAGGG
GACTTGGTGAAGAAGGAGAGCTTTGGTGTGAAGCTTATGGACTTCCAGGCCACCCGGCGGGTGGCACTC
TAAATAGAAAGCACATATCTCTGCTTTCAGCCGCCACTCCCGCCACGGATGGCAACGCCTTGGCTCC
AGCAGGCCAGAGCTCCCTTCTCAGAGCTTAGGGCTGACAGCAACTCAGTGGTGGGCTGTCCCTCT
TCTTCGGGCATATTGGAGCAGGGGCTGAGCCCAGGTGACAGCAGTCTCCAAAACCCAAAGACTCTGTGT
CTGCAGCTGCCCTGTGGCAGGAAGAAACAGCAACCAGATAACCACGGTCCCAAACCCAGGCCAGACAGG
TGGAACCTCCCATCAGCTCTCAGTAGGCACAGCTCACAGTGCAGCTGGCCCCAGCCCGCACACTCTGCGT
CGAGCTGTGAAGAAACCTGCTCCGGCACCCCCAAACCAGGAAACCCACCTCCTGGCCACCTGGAGGAC
AGAGCTCTCCAGGCACAGGCACATCCCCAAGCCAAGCACCCGAAGCCATCACCGCCTCAGCAGCAGCA
GCAGCAGCAACAACAACAACAGCAGCAGCAACAACAACAGCAGCAACAACAACAACAACAGCAGCAG
CAGCAGACCCCGGCATGCGCCGCTGTCCAGCAGCCTGCCTCCTATCCAGGCACCCAAACCCACCAC
CGCAGCCCCACACAGCCTCGGCTGGTGAACAGGGACCAGAGCCAGGCCCCACGCCACCTCAGACCCC
CACACCACCCAGCACCCACCCCGCCAAGCAGAATTCATCCAAAGCGAGACCACACAGCTGCATGGA
ACCCTCCAAAGGCCACGGCCAGTGCTAAACCCCGCAACCGGCCTAGTGTGCCACCACCCCGAATCCAC
CTGGCACCCACATGGGGATGGTGGCTCACACCTTCACTGCCACAGCCTCCAGAATCGTCACTGATGC
CCTTCCGGTGCCTCACAGGTGGGGAAGTTTCCAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270693
Insert Size: 2493 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_001270693.1</u> , <u>NP_001257622.1</u>
RefSeq Size:	3426 bp
RefSeq ORF:	2493 bp
Locus ID:	63994
UniProt ID:	<u>Q99N37</u>
Cytogenetics:	1q36
Gene Summary:	<p>activates RhoA, Rac1, and Cdc42 GTPases, plays a role in regulation of calcium ion dependent exocytosis, may regulate actin filament reorganization [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (3) contains an alternate 3' exon with an in-frame stop codon compared to variant 1. The resulting isoform (3) 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.</p>