

Product datasheet for **RR217269**

Arhgap17 (NM_001270692) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap17 (NM_001270692) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap17
Synonyms:	Rich1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR217269 representing NM_001270692
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAGCAATTCAACCCGATGAAGCAGCTGGCCAACCCAGACTGTCCGAGAGCTGAGAAGACAGAAG
 TCCTCAGTGAAGATCTGCTACAGATTGAACGTCGACTGGACACTGTGCGGTCAATGTGCCACCATTACACA
 TAAGCGTTTGATAGCCTGCTTCCAAAGTCAGCATGGCACCCGATGCTGAGAGGAGACATAAAAAGTTCCT
 CTGACAGCTCTCGCCAGAACATGCAGGAAGCTTCAGCCAGCTGGAAGAGTCTCTCTTGGGGAAGATGC
 TGGAAACCTGTGGGGATGCTGAGAATCAGCTGGCTTTTGAACCTCTCAGCATGAGGTCTTTGTGGAGAA
 GGAGATCATGGACCCTCTACGGCATAGCGGAGGTGGAGATTCCCAACATCCAAAAGCAAAGGAAACAG
 CTTGCTAGATTGGTGTGGACTGGGATTAGTCAGAGCAAGATGGAACCAAGCACACAAGTCTTCAGGAA
 CCAACTTTCAGGGACTTCCATCTAAAATAGATACCCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
 CGAGCAGTGCAAGGATCAACTTGCAGCAGACATGTACAACCTCATGGCCAAGAAGGGGAATACGGCAAG
 TTCTTTGTGACGTTATTAGAAGCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGGCC
 TTCCCGAAATGCGCGCCCATCAAGATAAATGGGCAGAGAAGCCAGCCTTCGGTACACCTCTGGAGGAACA
 CCTGAAGAGGAGTGGACGTGAGATCGCTCTCCCTATTGAGGCCTGCGTCACTGTTGTTACTGGAGACTGGC
 ATGAAGGAGGAGGGCCTTTTTCGGATCGGAGCTGGAGCCTCCAAGTTGAAGAAGCTGAAAGCTGCTCTCG
 ACTGCTCCACGTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTCGCAGGTGCTTTAAAGTCTTA
 TTTGCGGGAAGTGCCTGAGCCCTAATGACTTTCAGTCTGTATGAAGAGTGGACACAAGTTGCAAGTGTG
 CAGGATCAAGACAAAAAAGTCAATATTTATGGACAACATGTGAGAAGTGGCCGACAAAAATTTTGTTA
 ACTTTAGGTATTTAATCAAGTTCCTTGAAGCTCGCCAGACCCAGTGTGTTAATAAAATGACTCCTAG
 CAACATAGCCATCGTGTGGGCCCTAACCTCCTGTGGCCAAACAAGAAGGAACCCCTGGCTGAAATAGCG
 GCTGCCACATCTGTCACGTGGTGCAGTGATTGAACCTATCATCCAGCATGCCGATTGGTCTTCCCCG
 GAGAGGTAGAATTCAATGTATCAGAAGCATTCTGCTCTTGCTACCCCAAATTCTAATCACTCATCCCA
 TACTGGAATGACTCTGACTCGGGGACTCTGGAGAGGAAGCGACCCGCCAGCATGGCAGTATGGAAGGG
 GACTTGGTGAAGAAGGAGAGCTTTGGTGTGAAGCTTATGGACTTCCAGGCCACCCGGCGGGTGGCACTC
 TAAATAGAAAGCACATATCTCTGCTTTCAGCCGCCACTCCCGCCACGGATGGCAACGCCTTGGCTCC
 AGCAGGCCAGAGCTCCCTTCTCAGAGCTTAGGGCTGACAGCAACTCAGTGGGTGGCCTGTCCCCTCT
 TCTTCGGGCATATTGGAGCAGGGGCTGAGCCCAGGTGACAGCAGTCTCCAAAACCCAAAGACTCTGTGT
 CTGCAGCTGCCCTGTGGCAGGAAGAAACAGCAACCAGATAACCACGGTCCCAAACCCAGGCCAGACAGG
 TGGCAACTCCCATCAGCTCTCAGTAGGCACAGCTCACAGTGCAGCTGGCCCCAGCCCGCACACTCTGCGT
 CGAGCTGTGAAGAAACCTGCTCCGGCACCCCCAAACCAGGAAACCCACCTCCTGGCCACCTGGAGGAC
 AGAGCTCTCCAGGCACAGGCACATCCCCAAAGCCAAGCACCCGAAGCCCATCACCGCTCAGCAGCAGCA
 GCAGCAGCAACAACAACAACAGCAGCAGCAACAACAACAGCAGCAACAACAACAACAACAACAGCAGCAG
 CAGCAGACCCCGGCATGCGCCGCTGTCCAGCAGCCTGCCTCCTATCCAGGCACCAACCCACCCACCAC
 CGCAGCCCCACACAGCCTCGGCTGGTGAACAGGGACCAGAGCCAGGCCCCACGCCACCTCAGACCCC
 CACACCACCCAGCACCCACCCCGCCAAAGCAGAATTCATCCAAAGCGAGACCACACAGCTGCATGGA
 ACCCTCCAAAGGCCACGGCCAGTGCCTAAACCCCGCAACCGGCCTAGTGTGCCACCACCCCGAATCCAC
 CTGGCACCCACATGGGGATGGTGGCCTCACACCTTCAAGTGCACAGCCTCCAGAAATCGTCACTGACAC
 CAATTCTAGGTTTCTGAATCACTTCGAAACATCTTTCCTGAAATACATTAGACTTGGCAAGCAAAGAA
 GTGCTGGCCATATCTGCTGGACATAGACAATGACACAGAGAGCACCGCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217269 representing NM_001270692
 Red=Cloning site Green=Tags(s)

```

MKKQFNRMKQLANQTVGRAEKTEVLSDDLQIERRLDTVRSMCHSHKRLIACFQGQHGTAERRHKKLP
LTALAQNMQEASAQLEESLLGKMLETCGDAENQLAFELSQHEVFVEKEIMDPLYGIAEVEIPNIQQRKQ
LARLVLDWDSVRARWNQAHKSSGTNFQGLPSKIDTLKEEMDEAGNKVEQCKDQLAADMVNFMAKEGEYK
FFVTLLAQADYHRKALAVLEKALPEMRAHQDKWAEKPAFGTPLEEHLKRSGREIALPIEACVMLLLETG
MKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTFSLYEEWTQVASV
QDQDKKLQYLWTTCCQKLPPQNFVNFRLIKFLAKLAQTSVNMKTPSNIATVLPNLLWAKQEGTLAEIA
AATSVHVAVIEPIIQHADWFFPGEVEFNSEAFVPLATPNSNHSSTGNDSDSGTLERKRPASMAVMEG
DLVKKESFGVKLMDFQAHRGGTLNRKHI SPAFQPPLPPTDGNALAPAGPELPSQSSRADSNVGGPVPS
SSGILEQGLSPGDSSPPKPKDSVSAAPVAGRNSNQITTVPNQAQTGGNSHQLSVGTAHSAAGPSPHTLR
RAVKKPAPAPPKGNPPPGHPGGQSSPGTGTSPKPSTRSPSPQQQQQQQQQQQQQQQQQQQQQQQQQQ
QQTPGMRRCSSSLPIQAPNHPPPQPPTQPRLGEQGEPEGPTPPQTPTPPSTPPPAKQNSSQSETQLHG
TLPRPRPVKPRNRPSVPPPPNPPGTHMGDGLTPSVPTASRIVTDTNSRVSESLRNIFPEIHSDLASKE
VPGHILLDIDNTESTAL
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

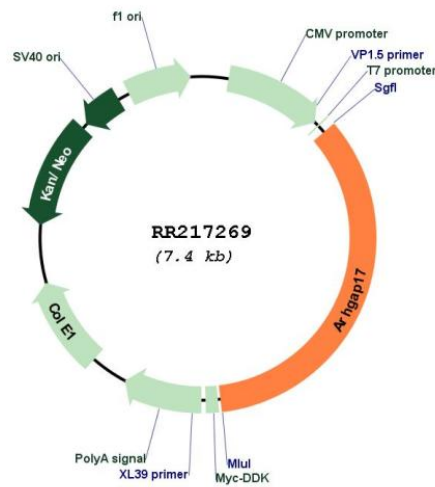
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001270692
ORF Size:	2574 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001270692.1 , NP_001257621.1
RefSeq Size:	3378 bp
RefSeq ORF:	2577 bp
Locus ID:	63994
UniProt ID:	Q99N37
Cytogenetics:	1q36
MW:	93.8 kDa
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]