

Product datasheet for **RC211610**

ARHGAP17 (NM_018054) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP17 (NM_018054) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARHGAP17
Synonyms:	MST066; MST110; MSTP038; MSTP066; MSTP110; NADRIN; PP367; PP4534; RICH-1; RICH1; WBP15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC211610 representing NM_018054
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAGCAGTTCAACCCGATGAAGCAGCTGGCTAACAGACCGTGGCAGAGCTGAGAAAACAGAAG
 TCCTTAGTGAAGATCTATTACAGATTGAGAGACGCCTGGACACGGTGCAGTCAATATGCCACCATTCCCA
 TAAGCGCTTGGTGGCATGTTCCAGGGCCAGCATGGCACCGATGCCGAGAGGAGACACAAAAAAGTGCCT
 CTGACAGCTCTTCTCAAATATGCAAGAAGCATCGACTCAGCTGGAAGACTCTCTCTGGGGAAGATGC
 TGGAGACGTGTGGAGATGCTGAGAATCAGCTGGCTCTCGAGCTCTCCAGCACGAAGTCTTTGTTGAGAA
 GGAGATCGTGGACCTCTGTACGGCATAGCTGAGGTGGAGATTCCCAACATCCAGAAGCAGAGGAAGCAG
 CTTGCAAGATTGGTGTAGACTGGGATTAGCTCAGAGCCAGGTGGAACCAAGCTCACAAATCCTCAGGAA
 CCAACTTTCAGGGGCTTCCATCAAAAATAGATACTCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
 AGAACAGTGAAGGATCAACTTGCAGCAGACATGTACAACCTTATGGCCAAAGAAGGGGAGTATGGCAA
 TTCTTTGTTACGTTATTAGAAGCCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGACCC
 TCCCCGAAATGCGAGCCCATCAAGATAAGTGGGCGGAAAAACCAGCCTTTGGGACTCCCCTAGAAGAACA
 CCTGAAGAGGAGCGGGCGGAGATTGCGCTGCCATTGAAGCCTGTGTCATGCTGCTTCTGGAGACAGGC
 ATGAAGGAGGAGGGCCTTTCCGAATTGGGGCTGGGGCTCCAAGTTAAAGAAGCTGAAAGCTGCTTTGG
 ACTGTTCTACTTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTAGCAGGTGCTTTAAAATCCTA
 TTTACGGGAATTGCTGAACCTTTGATGACTTTAATCTGTATGAAGAATGGACACAAGTTGCAAGTGTG
 CAGGATCAAGACAAAAAAGCTTCAAGACTGTGGAGAATGTGAGAAAGTGGCACCACAAAATTTTGTTA
 ACTTTAGATATTTGATCAAGTTCTTGCAAAGCTTGGTCTCAGACCAGCGATGTGAATAAAATGACTCCC
 CAACATTGCGATTGTGTTAGGCCCTAACTTGTATGGGCCAGAAATGAAGGAACACTTGGTGAATGGCA
 GCAGCCACATCCGTCCATGTGGTTGCAAGTATTGAACCCATCATTAGCATGCCGACTGGTTCTTCCCTG
 AAGAGGTGGAATTTAATGTATCAGAAGCATTGTACCTCTCACCACCCGAGTTCTAATCACTCATTCCA
 CACTGGAACGACTCTGACTCGGGGACCCTGGAGAGGAAGCGGCCTGCTAGCATGGCGGTGATGGAAGGA
 GACTTGGTGAAGAAGGAAAGTCTCCCAAACCGAAGGACCCTGTATCTGCAGCTGTGCCAGCACCAGGGA
 GAAACAACAGTCAGATAGCATCTGGCCAAAATCAGCCCCAGGCAGCTGCTGGCTCCCACCAGCTCTCCAT
 GGGCCAACTCACAATGCTGCAGGGCCAGCCGCATACACTGCGCCGAGCTGTTAAAAAACCCGCTCCA
 GCACCCCGAAACCGGGCAACCCACCTCCTGGCCACCCCGGGGCCAGAGTTCTTCAGGAACATCTCAGC
 ATCCACCCAGTCTGTACCAAAGCCACCCACCCGAAGCCCTCTCTCCACCCAGCACACGGGCCAGCC
 TCCAGGCCAGCCCTCCGCCCCCTCCAGCTCTCAGCACCCCGGAGGTACTCCAGCAGCTTGTCTCCAATC
 CAAGTCCCAATCACCCACCGCCGAGCCCCCTACGCAGGCCACGCCACTGATGCACACCAAACCAATA
 GCCAGGGCCCTCCAACCCCATGGCATTGCCAGTGAGCATGGACTTGAGCAGCCATCTCACACCCCTCC
 CCAGACTCCAACGCCCCAGTACTCCGCCCCAGGAAAACAGAACCCAGTCTGCCAGCTCCTCAGACC
 CTGGCAGGGGTAACCTGAAACTGCACAGCCACATGCTGGAACCTTACCGAGACCGAGACCAGTACCAA
 AGCCAAGGAACCGGCCAGCGTGCCCCACCCCAACCTCCTGGTGTCCACTCAGCTGGGACAGCAG
 CCTCACCAACACAGCACCAACAGCTTCCAAGATAGTAACAGACTCCAATTCAGGGTTTCAGAACCAGAT
 CGCAGCATCTTTCTGAAATGCACTCAGACTCAGCCAGCAAAGACGTGCCTGGCCGATCCTGCTGGATA
 TAGACAATGATACCGAGAGCACTGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211610 representing NM_018054
 Red=Cloning site Green=Tags(s)

```

MKKQFNRMKQLANQTVGRAEKTEVLSDDLQIERRLDTVRSICHHSKRLVACFQGQHGTAERRHKKLP
LTALAQNMQEASTQLEDSELLGKMLETCGDAENQLALELSQHEVFVEKEIVDPLYGIAEVEIPNIQQRKQ
LARLVLDWDSVRARWNQAHKSSGTNFGQLPSKIDTLKEEMDEAGNKVEQCKDQLAADMYNFMAKEGEYK
FFVTLLLEAQADYHRKALAVLEKTLPEMRAHQDKWAEKPAFGTPLEEHLKRSGREIALPIEACVMLLLETG
MKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTFNL YEEWTQVASV
QDQDKKLQDLWRTCQKLPQNFVNFRLIKFLAKLAQTSVNMKTPSNIAIVLGPPLLWARNEGTLAEMA
AATSVHVAVIEPIIQHADWFFPEEVEFNVSEAFVPLTTPSSNHSFHTGNDSDSGTLERKRPASMAVMEG
DLVKKESPPKPKDPVSAAVPAPGRNNSQIASGQNQPQAAAGSHQLSMGQPHNAAGPSPTLRRAVKKPAP
APPKPGNPPPGHPGGQSSSGTSQHPPSLSPKPPTRSPSPPTQHTGQPPGQPSAPSQLSAPRRYSSLSPI
QAPNHPPPQPPTQATPLMHTKPN SQPPNPMALPSEHGLEQPSHTPPQTPTPPSTPPLGKQNPSPAPQT
LAGGNPETAQPHAGTLRPRPVKPRNRPSVPPPPQPPGVHSAGDSSLTNTAPTASKIVTDSNSRVSEPH
RSIFPEMHSDSASKDVPGRILLIDNDTESTAL
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


- ACCN:** NM_018054
- ORF Size:** 2409 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:

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_018054.6](#)

RefSeq Size: 3246 bp

RefSeq ORF: 2412 bp

Locus ID: 55114

UniProt ID: [Q68EM7](#)

Cytogenetics: 16p12.1

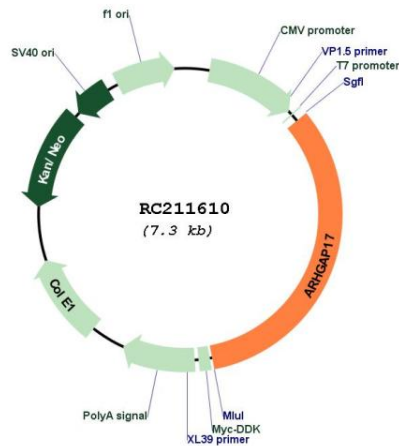
Domains: RhoGAP, BAR

Protein Families: Druggable Genome

MW: 87.4 kDa

Gene Summary: RICH1 is a GTPase-activating protein (GAP). GAPs stimulate the intrinsic GTP hydrolysis of small G proteins, such as RHOA (MIM 165390), RAC1 (MIM 602048), and CDC42 (MIM 116952). [supplied by OMIM, Apr 2004]

Product images:



Circular map for RC211610