

Product datasheet for **RG209915**

ARHGAP17 (NM_001006634) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP17 (NM_001006634) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARHGAP17
Synonyms:	MST066; MST110; MSTP038; MSTP066; MSTP110; NADRIN; PP367; PP4534; RICH-1; RICH1; WBP15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209915 representing NM_001006634
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAGCAGTTCAACCCGATGAAGCAGCTGGCTAACCCAGACCGTGGCAGAGCTGAGAAAACAGAAG
 TCCTTAGTGAAGATCTATTACAGATTGAGAGACGCCTGGACACGGTGCCTGCAATATGCCACCATTCCCA
 TAAGCGCTTGGTGGCATGTTTCCAGGGCCAGCATGGCACCGATGCCGAGAGGAGACACAAAAAAGTGCCT
 CTGACAGCTCTTGCTCAAAATATGCAAGAAGCATCGACTCAGCTGGAAGACTCTCTCCTGGGGAAGATGC
 TGGAGACGTGTGGAGATGCTGAGAATCAGCTGGCTCTCGAGCTCTCCAGCACGAAGTCTTTGTTGAGAA
 GGAGATCGTGGACCCCTGTACGGCATAGCTGAGGTGGAGATTCCCAACATCCAGAAGCAGAGGAAGCAG
 CTTGCAAGATTGGTGTAGACTGGGATTCAGTCAGAGCCAGGTGGAACCAAGCTCACAAATCCTCAGGAA
 CCAACTTTCAGGGGCTTCCATCAAAAATAGATACTCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
 AGAACAGTGCAAGGATCAACTTGCAGCAGACATGTACAACCTTATGGCCAAAGAAGGGGAGTATGGCAA
 TTCTTTGTTACGTTATTAGAAGCCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGACCC
 TCCCCGAAATGCGAGCCCATCAAGATAAGTGGGCGGAAAAACCAGCCTTTGGGACTCCCCTAGAAGAACA
 CCTGAAGAGGAGCGGGCGGAGATTGCGCTGCCATTGAAGCCTGTGTCATGCTGCTTCTGGAGACAGGC
 ATGAAGGAGGAGGGCCTTTCCGAATTGGGGCTGGGGCTCCAAGTTAAAGAAGCTGAAAGCTGCTTTGG
 ACTGTTCTACTTCTCACCTGGATGAGTTCTATTCAGACCCCCATGCTGTAGCAGGTGCTTTAAAATCCTA
 TTTACGGGAATTGCTGAACCTTTGATGACTTTAATCTGTATGAAGAATGGACACAAGTTGCAAGTGTG
 CAGGATCAAGACAAAAAAGCTTCAAGACTGTGGAGAATGTGCAAGTGGCCACCACAAAATTTTGTTA
 ACTTTAGATATTTGATCAAGTTCTTGCAAAGCTTGTCTCAGACCAGCGATGTGAATAAAATGACTCCCAC
 CAACATTGCGATTGTGTTAGGCCCTAACTTGTATGGGCCAGAAATGAAGGAACACTTGCTGAAATGGCA
 GCAGCCACATCCGTCCATGTGGTTGCAGTGATTGAACCCATCATTAGCATGCCGACTGGTTCTTCCCTG
 AAGAGGTGGAATTTAATGTATCAGAAGCATTGTACCTCTCACCACCCGAGTTCTAATCACTCATTCCA
 CACTGGAACGACTCTGACTCGGGGACCCTGGAGAGGAAGCGCCTGCTAGCATGGCGGTGATGGAAGGA
 GACTTGGTGAAGAAGGAAAGCTTTGGTGTGAAGCTTATGGACTTCCAGGCCACCAGCGGGTGGCACTC
 TAAATAGAAAGCACATATCCCCGCTTTCAGCCGCCACTTCCGCCACAGATGGCAGCACCGTGGTGGCC
 CGCTGGCCAGAGCCCCCTCCCCAGAGCTTAGGGCTGAAAGCAGCTCTGGGGTGGGACTGTCCCCTCT
 TCCGCGGGCATACTGGAGCAGGGCCGAGCCAGCGACGGCAGTCTCCAAACCGAAGGACCCTGTAT
 CTGCAGCTGTGCCAGCACAGGGAGAAACAACAGTCAGATAGCATCTGGCCAAAATCAGCCCCAGGCAGC
 TGCTGGTCTCCACCAGCTCTCCATGGGCCAACCTCACAATGCTGCAGGGCCAGCCCGCATACACTGCGC
 CGAGCTGTTAAAAAACCCGCTCCAGCACCCCCGAAACCGGGCAACCCACCTCCTGGCCACCCCGGGGGCC
 AGAGTTCTTCAGGAACATCTCAGCATCCACCCAGTCTGTACCAAAGCCACCCACCCGAAGCCCCTCTCC
 TCCCACCCAGCACAGGGCCAGCCTCCAGGCCAGCCCTCCGCCCCCTCCAGCTCTCAGCACCCCGGAGG
 TACTCCAGCAGCTTGTCTCCAATCCAAGCTCCAATCACCCACCGCCGACGCCCCCTACGCAGGCCACGC
 CACTGATGCACACCAAACCCAATAGCCAGGGCCCTCCAAACCCATGGCATTGCCAGTGAGCATGGACT
 TGAGCAGCCATCTCACACCCCTCCCCAGACTCCAACGCCCCCACTCCGCCCTAGGAAAACAGAAAC
 CCCAGTCTGCCAGCTCCTCAGACCCTGGCAGGGGTAACCTGAAACTGCACAGCCACATGCTGGAACCT
 TACCGAGACCGAGACCAGTACCAAAGCCAAGGAACCGGCCAGCGTGCCCCACCCCCCAACCTCCTGG
 TGTCCACTCAGCTGGGACAGCAGCCTACCAACACAGCACCAACAGCTTCCAAGATAGTAACAGACTCC
 AATTCCAGGGTTTCAGAACCGCATCGCAGCATCTTCTGAAATGCACTCAGACTCAGCCAGCAAAGACG
 TGCTGGCCGATCCTGCTGGATATAGACAATGATACCGAGAGCACTGCCCTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >RG209915 representing NM_001006634
Red=Cloning site Green=Tags(s)

```

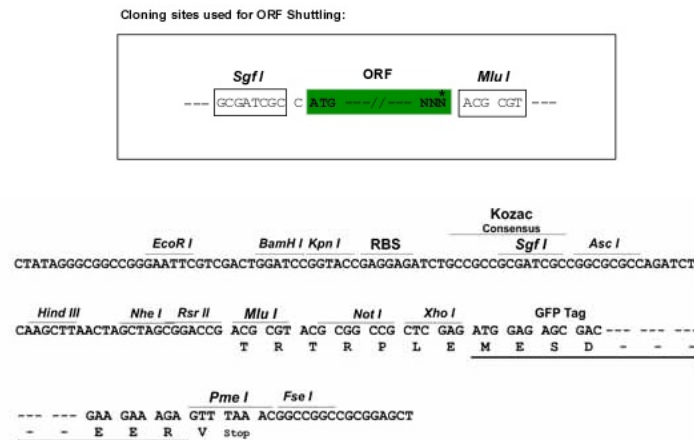
MKKQFNRMKQLANQTVGRAEKTEVLSDLLQIERRLDTVRSICHHSHKRLVACFQGQHGTAERRHKKLP
LTALAQNMQEASTQLEDLLGKMLETCGDAENQLALELSQHEVFVEKEIVDPLYGIAEVEIPNIQKQRKQ
LARLVLDWDSVRARWNQAHKSSGTNFQGLPSKIDTLKEEMDEAGNKVEQCKDQLAADMYNFMAKEGEYK
FFVTLLEAQADYHRKALAVLEKTLPEMRAHQDKWAEKPAFGTPLEEHLKRSGREIALPIEACVMLLLETG
MKEEGLFRIGAGASKLKKLKAALDCSTSHLDEFYSDPHAVAGALKSYLRELPEPLMTFNL YEEWTQVASV
QDQDKKLQDLWRTCQKLPQNFVNFRLIKFLAKLAQTSVNMKTPSNIATVLPNLLWARNEGTLAEMA
AATSVHVAVIEPIIQHADWFFPEEVEFNVSEAFVPLTTPSSNHSFHTGNDSDSGTLERKPASMAVMEG
DLVKKESFGVKLMDFAQHRRGGTLNRKHI SPAFQPPLPPTDGSTVVPAGPEPPPQSSRAESSGGGTVPS
SAGILEQGPSPGDGSPPKDPVSAAVPAPGRNNSQIASGQNQPQAAAGSHQLSMGQPHNAAGPSPTLR
RAVKKPAPAPPKPGNPPGHPGGQSSSGTSQHPPSLSPKPPTRSPSPPTQHTGQPPGQPSAPSLSAPRR
YSSSLSPIQAPNHPPPQPTQATPLMHTKPN SQPPNPMALPSEHGLEQPSHTPPQTPPTPSTPPLGKQN
PSLPAPQTLAGGNPETAQPHAGTLPRPRPVKPRNRPSVPPPPQPPGVHSAGDSSLTNTAPTASKIVTDS
NSRVSEPHRSIFPEMHSASASKDVPGRILLDIDNTESTAL
    
```

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

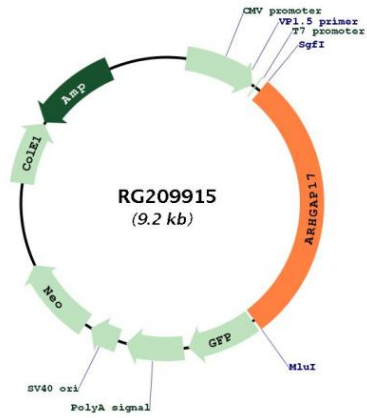
Cloning Scheme:



ACCN: NM_001006634

ORF Size:	2643 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_001006634.3
RefSeq Size:	3480 bp
RefSeq ORF:	2646 bp
Locus ID:	55114
UniProt ID:	Q68EM7
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome
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 RG209915