

Product datasheet for **SC113743**

ARHGAP17 (NM_018054) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP17 (NM_018054) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP17
Synonyms:	MST066; MST110; MSTP038; MSTP066; MSTP110; NADRIN; PP367; PP4534; RICH-1; RICH1; WBP15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018054, the custom clone sequence may differ by one or more nucleotides

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ATGAAGAAGCAGTTCAACCGCATGAAGCAGCTGGCTAACCCAGACCGTGGGCAGAGCTGAGAAAAAGAAAG
TCCTTAGTGAAGATCTATTACAGATTGAGAGACGCTGGACACGGTGCGGTCAATATGCCACCATTCCCA
TAAGCGCTTGGTGGCATGTTCCAGGGCCAGCATGGCACCAGATGCCGAGAGGAGACACAAAAAAGTGCCT
CTGACAGCTCTTGCTCAAAATATGCAAGAAGCATCGACTCAGCTGGAAGACTCTCTCCTGGGGAAGATGC
TGGAGACGTGTGGAGATGCTGAGAATCAGCTGGCTCTCGAGCTCTCCAGCACGAAGTCTTTGTTGAGAA
GGAGATCGTGGACCCTCTGTACGGCATAGCTGAGGTGGAGATTCCCAACATCCAGAAGCAGAGGAAGCAG
CTTGCAAGATTGGTGTAGACTGGGATTAGCTCAGAGCCAGGTGGAACCAAGCTCACAAATCCTCAGGAA
CCAACCTTCAGGGGCTTCCATCAAAATAGATACTCTAAAGGAAGAGATGGATGAAGCTGGAATAAAGT
AGAACAGTGAAGGATCAACTTGCAGCAGACATGTACAACCTTATGGCCAAAGAAGGGGAGTATGGCAA
TTCTTTGTACGTTATTAGAAGCCCAAGCAGATTACCATAGAAAAGCATTAGCAGTCTTAGAAAAGACCC
TCCCCGAAATGCGAGCCCATCAAGATAAGTGGGCGGAAAAACCAGCCTTTGGGACTCCCCTAGAAGAACA
CCTGAAGAGGAGCGGGCCGAGATTGCGCTGCCATTGAAGCCTGTGTATGCTGCTTCTGGAGACAGGC
ATGAAGGAGGAGGGCCTTTCCGAATTGGGGCTGGGGCTCCAAGTAAAGAAAGCTGAAAGCTGCTTTGG
ACTGTTCTACTTCTCACCTGGATGAGTTCTATTAGACCCCCATGCTGTAGCAGGTGCTTTAAAATCCTA
TTTACGGGAATTGCCTGAACCTTTGATGACTTTTAACTGTATGAAGAATGGACACAAGTTGCAAGTGTG
CAGGATCAAGACAAAAAAGTCAAGACTTGTGGAGAACATGTGAGAAGTTGCCACCACAAAAATTTTGTTA
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CAACATTGCGATTGTGTTAGGCCCTAAGTGTATGGGCCAGAAATGAAGGAACACTTGTGAAATGGCA
GCAGCCACATCCGTCCATGTGGTTGCAGTGTGAACCCATCATTAGCATGCCGATGGTCTTCCCTCCTG
AAGAGGTGGAATTTAATGTATCAGAAGCATTGTACCTCTCACCACCCCGAGTTCTAATCACTCATTCCA
CACTGGAACGACTCTGACTCGGGGACCCTGGAGAGGAAGCGGCCTGCTAGCATGGCGGTGATGGAAGGA
GACTTGTGGAAGAAGGAAAGTCTCCCAAACCGAAGGACCCTGTATCTGCAGCTGTGCCAGCACCAGGGA
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GGGCCAACCTCACAATGCTGCAGGGCCAGCCGCATACACTGCGCCGAGCTGTTAAAAAACCCGCTCCA
GCACCCCGAAACCGGGCAACCCACCTCCTGGCCACCCCGGGGGCCAGAGTCTTCAGGAACATCTCAGC
ATCCACCCAGTCTGTACCAAAGCCACCCACCCGAAGCCCCTCTCCTCCCACCAGCACACGGGCCAGCC
TCCAGGCCAGCCCTCCGCCCCCTCCAGCTCTCAGCACCCCGGAGTACTCCAGCAGCTTGTCTCCAATC
CAAGCTCCAATCACCCACCGCCGAGCCCCCTACGCAGGCCACGCCACTGATGCACACCAAAACCAATA
GCCAGGGCCCTCCAACCCCATGGCATTGCCAGTGAGCATGGACTTGAGCAGCCATCTCACACCCCTCC
CCAGACTCCAACGCCCCAGTACTCCGCCCCTAGGAAAAAGAAACCCAGTCTGCCAGCTCCTCAGACC
CTGGCAGGGGGTAACCTGAAACTGCACAGCCACATGCTGGAACCTTACCAGACCCGAGACCAGTACCAA
AGCCAAGGAACCGGCCAGCGTGCCCCACCCCAACCTCCTGGTGTCCACTCAGCTGGGGACAGCAG
CCTCACCACACAGCACCACAGCTTCCAAGATAGTAACAGACTCCAATTCAGGGTTTCCAGAACCCGAT
CGCAGCATCTTCTGAAATGCACTCAGACTCAGCCAGCAAAGACGTGCCTGGCCGATCCTGCTGGATA
TAGACAATGATACCGAGAGCACTGCCCTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018054 unedited
 TCAGAATTGTAACCGACTCACTATAGGCGGCCGCAATTTCGCACGAAGGGCAGGGGCCG
 AGCCCAGGCGACGGCAGTCTCCCAACCGAAGACCCTGTATCTGCAGCTGTGCCAGCACC
 AGGNGAGAAACAACAGTCAGATAGCATCTGGCCAAAATCAGCCCCAGGCAGCTGTGGCT
 CCCACCAGCTCTCCATGGGCCAACCTCACAAATGCTGCAGGGCCCAGCCCCGATACACTGC
 GCCGAGCTGTTAAAAAACCCGCTCCAGCACCCCCGAAACCGGGCAACCCACCTCTGGCC
 ACCCCGGGGGCCAGAGTTCTTCAGGAACATCTCAGCATCCACCCAGTCTGTCCACAAAGC
 CACCCACCCGAAGCCCTCTCCTCCACCCAGCACACGGGCCAGCCTCCAGGCCAGCCCT
 CCGCCCCCTCCAGCTCTCAGCACCCCGGAGGTAATCCAGCAGCTTGTCTCCAATCCAAG
 CTCCAATCACCCACCGCCGAGCCTCCTACGCAGGCCACGCCACTGATGCACACCAAAC
 CCAATAGCCAGGGCCCTCCACCCCATGGCATTGCCAGTGAGCATGGACTTGAGCAGC
 CATCTCACACCCCTCCCAAGACTCCAACGCCCCCACTACTCCGCCCTAGGAAAACAGA
 ACCCCAGTCTGCCAGTCTCAAACCCTGGCAGGGGTAACCCTGAAACTGTACAGGCC
 CTTGCTGGAACCTTACCAGAACCGAGACCATACCAAAGCCAAAGAACCGGCCACGTGC
 CCCCACCCCAACCTCCGGGGGGCCACTCACCTGGGGACCAGCATCCTTACAAAACCA
 GACCCAACAGTTCAGGATAATAACCGACTCCATTCCCGGGGTCTTTAACCGGATCG
 AAAATCTTTCCCGAAAGCCTCCAACCTCACCCAGCAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018054 unedited
 TGGACCGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TAAACCACAGAATATATTTAATTCAAATTAACATGAAACTAGAATAATGTTCCGGTCCTT
 ATCAAGTAGCAATTACATTGTTTAAAAAAAAAAAAAAGAACAGTCCATTTCTGTCTACATT
 CCGACAATCCAACGAGGGCGCATGGGTACATCCAGTTTGATGAGGTGACAAAGCCAGCA
 GTCACCATCCATGGGCATGGTTCTGAGGGGACTGGGGAGACACAGACCATACATGATACA
 AAATGATTCTGCAGCAAGTCTGAAGGAGCGCAGCCTCCCTCCTAATACATAAAAAATGAAC
 GTCCAGGTAGCAAAGAGTAGGCGACTTGCATAATGAGCGCATTTTATTAATAAATAGTT
 AACGCACTGCTTCTTACTCATTCCAAGTTGCTGTAGGTGCTGCCCGCATTAACAGCAGGG
 ACAAAGCTTCTATGCGCGTTTCAGCAGGAATACTCTCCTCACTCCAGTACTTCTTTG
 TTTTGGATTTTTTTGGCATGATTTCTTCCCATGTAAGAAAGCCAACCTCTTCAAGACA
 CAGGTCAATTCAGCTTTAGTGGTGGCCTCAGGTTCTCCTGGGCCGTGCAGAAGGCCAGG
 TCCCGCACAGTGAGGCCCTCCTTTGTCTCCACTGAAAGCTTTTCACTGTTTCGGTGTGCA
 AAGAAAGAGGTTTCGCTGCCCTGCTCCACTCNCAGGGNTGGAAGTGGNTGGNAGGGCT
 GGAAAGGGCTTTCNTCACAGGGCAGNGCTCTCGGTATCATTGTCTATATCCAGCAGATG
 CGNCCAGCACGTCTTTGCTGCCTGAGTCTGAGTGCATTAGAAAAGAGCTGCGATGCCGN
 TCTGAACCCTGAATTGNAGTCTGTACTATCTTGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_018054

Insert Size:

1910 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:

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_018054.1](#), [NP_060524.1](#)

RefSeq Size: 3292 bp

RefSeq ORF: 429 bp

Locus ID: 55114

UniProt ID: [Q68EM7](#)

Cytogenetics: 16p12.1

Domains: RhoGAP, BAR

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]
Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.