

Product datasheet for **MC216716**

Arhgap1 (NM_001145902) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap1 (NM_001145902) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap1
Synonyms:	B230365D05Rik; C76222; Cdc42GAP; p50rhoGAP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216716 representing NM_001145902
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAAGTGGTTGGGGAGCTGGGGGCCCCGAGGGGGCGGTTCCCATTCCTCGGAGCCGGATG
TTTGCCGAGCTTTGACAGGCGTGGCAGAGGAAGCATTGCCGGAACGAGCCATGGACCCTCTCTCAGAGCT
GCAAGATGACCTGACGCTGGATGACACCAAGCTCTGAACCAGTTGAAGCTGGCCTCCATTGATGAG
AAGAACTGGCCTTCTGATGAAATGCCAGACTTCCCAAGTCAGATGACTCCAAAAGCAGCTCTCCAGAAC
CTGTGACACACCTGAAGTGGGATGACCCTACTATGACATTGCCCGCACCAGATTGTGGAAGTAGCCGG
TGATGATAAGTATGGGCGGAAGATCATTGTATTCACTGCTTGCCGGATGCCCGCCAGCCACCAGCTGGAC
CACAGCAAGCTCTGGGGTATTTGAAACACACATTGGACCAGTATGTGGAGAGTGACTACACACTCTGT
ACCTGCACCATGGCCTGACCAGTGACAACAAGCCCTCCCTCAGCTGGCTACGGGATGCCTACCGAGAGTT
TGACCGCAAGTACAAGAAGAACATCAAGGCTCTGTACATCGTGACCCCAACCATGTTTCATCAAACTCTG
CTATCCTCTTTAAGCCTCTCATCAGTTTCAAGTTTGGACGGAAGATCTTCTACGTGAATTACCTGAGTG
AGCTGAGCGAGCACGCTGAAGCTGGAGCAGTTGGGGATCCCTCGCCAAGTGCTCAAGTATGATGACTTCT
CAAATCCACACAGAAAAGCCCTGCAACAGCTCCCAAGCCCATGCCACCACGGCCCCCCTGCCAAATCAG
CAGTTTGGGGTCTCCTTACAGCACCTCCAGGAGAAAAGCCAGGCCAGGACCCCATTCCTTGTCTCA
GGGAGACCGTCCGCTACTTGCAGGCTCACGCTCTCACCCTGAGGGCATCTTCCGGAGGTCTGCCAACAC
CCAGGTTGTCCGGAAGTGCAGCAGAAAACAATATGGGGCTGCCGGTGGACTTTGACCAGTACAACGAG
CTGCACCTGCCCGCTGTATCCTCAAGACATTCTTCCGGAGCTTCTGAACCTTGCTAACCTTTGACC
TGTACCCCATGTTGTGGGCTTCTCAATATTGATGAAAGCCAGAGAGTGAAGTGAACAGCAGCAGGTTCT
CCAAACTCTGCCAGAGGAGAATACCAGGTGCTTCAATTTCTGACTGCCTTCTGGTGCAGATATCTGCC
CACTGTGACCAGAACAGATGACCAACTAACTTGGCTGTAGTCTTCCGCCCTAACCTGCTCTGGGCTA
AAGATGCTGCCATCACCTCAAGGCTATCAATCCCATCAACACCTTCACTAAGTCTCCTGGATCATCA
AGGGGAATTGTTCCCGCAGCAGATGCCAGGGGGT**TGA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001145902

Insert Size: 1440 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_001145902.1](#), [NP_001139374.1](#)
RefSeq Size: 2904 bp
RefSeq ORF: 1440 bp
Locus ID: 228359
UniProt ID: [Q5FWK3](#)
Cytogenetics: 2 E1
Gene Summary: GTPase activator for the Rho, Rac and Cdc42 proteins, converting them to the putatively inactive GDP-bound state. Cdc42 seems to be the preferred substrate (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).