

Product datasheet for **RR213766**

Arhgap15 (NM_001013917) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap15 (NM_001013917) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213766 representing NM_001013917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAAAAGGACAAGCTGCAGTGTGCAGACATCTACGAACGTGACAACCTTTGGAAACACTGAATT
 CTGCCACCAAGCTACAGGCGCTGTGCAATGAGAATCAAAAATGCCAACAGCCACCCAGACAGGCAGAG
 CCAAACAAATCCATGATCCTCACCGACGCTGGGAAGGTCACTGAACCTATTTCCCGGCACAGAAGGAAT
 CATTACAGCATGTGCTGAAAGATGTCATTCCACCACTAGAACATCCAATGGTCGAAAAAGAAGGTATC
 TTCAAAAAGCCAAAATTGCAGATGGAGGAAAGAACTAAGGAAAACTGGTCTACTTCTGGATTGTTCT
 CTCTGGCCGAAAACCTGAATTTTACAAAGACCCCAAGCAGCAAGCTCTCCCTAACGTGAAACCCAGGCCA
 AATGCAGAAAGCGTGGATTTGTGTGGAGCACACATAGAATGGGCGGCCAAAGACAATCAAGCAAAAAGA
 GTGTCTTTCAGATCACACAGCATCAGGAAATGAGTTCCTTCTCCAGTCAGATATTGACTTCCTCATATT
 GGATTGGTTCCATGCTATCAAAAATGCAATTGACAGATTGCCAAAGAATCCAAGTTTCGGATCCCTGGAG
 TTGTTTCAGTTCCAGAGATCTTCAAGCTCTGAACAGCCGAGTCATTGCCACATCGATAGAAAAGAACAGA
 AACCAGAAAACAGGAAGTCTTTCATGTTTACAGCTGCACACAGCGTTTCCGGATACAGTGACAAGAACCG
 CGTGAAGAGCAGACTGAAGAAGTTCATCTCCCAGAACCTTCTCTGAAAACCTTTGCAAGAAAAGGGAATC
 ATTAAGATCAAAATTTTGGCTCTCATCTGCACACAGTGTGTGAACGAGAACATTCCACAGTTCATGGT
 TTGTAAGCAATGCATTGAAGCTGTTGAAAAAAGAGGCCATAGAAGTTGATGGAATTTATCGAGTCAGTGG
 CAATCTTGCAACAATCCAGAAGTTAAGGTTTATCGTCAACCAAGAAGAGAAGCTGAATTTGGATGACAGC
 CAGTGGGAGGACATCCACGTCGTCACCGGAGCACTGAAGATGTTTTCCGGGAGCTGTCTGAGCCGCTCT
 TCCCTTACAGTTTCTTTGAGCGTTTGTGGAGCGATCAAAAAACAAGACAGTGATGCAAAAATTGAAAC
 TATGAAGTCTCTGGTAAAAAGTCTCCCTCCACCAATCATGACACCATGAAAATCCTCTTCGGACATCTA
 ACCAAGATAGTGGCCAAAGCTGCCCAGAATCTCATGTCCACACAAAGCTTGGGGATTGTATTTGGACCCA
 CCCTTCTGCGAGCAGAAAATGAGTCGGGGAACGTGGCTGTACACATGGTATACAAAACCAGGTAGCCGA
 GTTCATGCTGACTGAGTATGACAAGATCTTCAGCTCAGAGGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213766 representing NM_001013917
 Red=Cloning site Green=Tags(s)

MEKRTSCSVQSTSTNCDNSLETLSAHQATGAVQMRKNANSHPDRQSQTSMILTDAGKVTEPISRHRN
 HSQHVLKDVIPPLEHPMVEKEGYLQKAKIADGGKLRKNWSTSWIVLSGRKLEFYKDPKQALPNVKPRP
 NAESVDLCGAHIEWAAKDKSSKKSQVFQITTAGSNEFLLQSDIDFLILDWFHAIKNAIDRLPKNPSFGSLE
 LFSFQRSSSEQPSHCHIDRKEQKPENRKSFMFRLHHSVSDTSDKNRVKSRLKFI SRRPSLKTLEKGI
 IKDQIFGSHLHTVCEREHSTVPWFVKQCEAVEKRGLEVDGIYRVSGNLATIQLRFIVNQEELNLDSDS
 QWEDIHVVTGALKMFFRELSEPLFPYSFFERFVEAIKKQSDAKIETMKS LVKSLPPPNDHMTMILFGHL
 TKIVAKAAQNL MSTQSLGIVFGPTLLRAENESGNVAVHVMVYQNVAEFMLTEYDKIFSSEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001013917.1](#), [NP_001013939.1](#)

RefSeq Size: 1690 bp

RefSeq ORF: 1449 bp

Locus ID: 295635

UniProt ID: [Q6AYC5](#)

Cytogenetics: 3q12

MW: 55 kDa

Gene Summary: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Has activity toward RAC1. Overexpression results in an increase in actin stress fibers and cell contraction (By similarity).[UniProtKB/Swiss-Prot Function]