

Product datasheet for **MC221819**

Arhgap12 (NM_029277) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap12 (NM_029277) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap12
Synonyms:	2810011M08Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221819 representing NM_029277
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGAGAGAAGTGGAAAGATCACTGCAGGACAAGCGTATATTGAGGTGGAGTATGATTATGAGTATG
 ACGCAAAGGACAGAAAGATTGTGATCAGACAAGGGGAGCGCTACCTCCTGGTGAAGAAGACCAATGATGA
 CTGGTGGCAAGTCAAGCTGATGAGAACTCAAAGCATTATGTGCCAGCACAGTATGTCAAGGAGGTC
 ACTCGAAAGCTCTGATGCCACCTGTGAAGCAGGCAACAGGACTGCCAAATAACTCTATGAAGACAATAC
 AGAGTATGCATCTCCAGAGATCGACAGAAAATGTGAACAAAATGCCTGAGCTTTCAAGTTTTGAAAGCC
 ATCGTCATCTGTTCAAGGAACAGGTCTTATTCGTGATGCCAATCAGAATTCGGATCCAATTATAATTCA
 GGCCAGACTCTCAACCTAAGCCTGGACCTGACCCATAAATGGAAGTTTAAACAGTGACTCACATTCTC
 CTAAGGTTTCCAGCCAGAATAGGACACGCTTATTTGGTCATTTCCCGGGCCAGAGTTCTTGACATAGA
 GAAAAGTCTCTCAGGAACAGTCACTGACTCAGCTGGAGAAGGCTCCGAAAGAATACAGCAGGAT
 TCCGAGTCTGGAGATGAACCTTAGCAGCAGCTCCACTGAGCAGATGAGGGCAACCACCCCTAATCAAG
 GAAGGCCAGATTCTCAGTCTATGCTAACCTACAGGAAGTAAAAATATCACAGTCTGCTCTTCTCTCTCT
 TCTTGGGAGCCAGCAATTCAAGTTAATGGGGAATGGGAGACTCACAAAGACAGTTTCAAGCCGTTGTTAC
 TACTATAACCGCACAAACCAGGAGCGAACCTGGAAACCACCTCGATGGGCTCGAGATGTGAGCACAAAGCC
 GAGATTTTCAGAGCCCAGGAGAGCAAGAGCCTCTTTCATCAGAAGAAAATACCACAGCAGTTGTTTCAG
 CCAGTCAGATAGTCAGTGGCTCTCTCCAGGGTTGGTCAGAAGAGCTGGATGAACGTGGGCATACC
 TTGTATACCAGTGACTATACTAAGGAAAAGTGGCTCAAGCATGTTGATGATCAAGGTAGACAGTATTACT
 ACAGCGCAGATGGATCTCGGTCAAGTGGGAATGCCAAAGTATAATGCTTCATCTCAGCAGCAAGAGA
 AATAATTAAGTAGGAGCTTGGACAGGCGCTGCAAGAACCAATAGTGTTAACTAAATGGAGACATAGC
 ACCATTGTGTTGACTCCAACGACAAGGTCAGGAGAAAATATGGACTGTTAAATGTAACAAAAATTAAGT
 AAAATGGGAAAAAGTTCGAAAGAACTGGTTGTCTTCTTGGGAGTGTGACAGGTTCTGCTTTACTTTT
 TACGAAAAGTCAAGGAAGTAGTACAAGCTGGTTTGGGAGTAATCAGTCCAAACCAGAATTCACAGTGGAC
 CTGAAGGGGCGAGTATTGAAATGGCATCAAAGGACAAATCGAGCAAGAAGAATGATTTGAGCTGAAAA
 CTCGACAAGGAACAGAAGTCTAATTCAGTCTGATAATGATGCTGTTAATGATTGGTTAAAGTTCT
 TAGTAGTACTATCAATAACCAGGTAGCAGAGCCGATGAAGCAGCTGAAGAGGAAACACCAGATTCACCA
 GGGGTAGAAAAGCATGATAAAGAAAAGGACCAGAAGGAGCTTAAAAAAGTTCGCTCAATGAAAGGATCCA
 GCATGGATTCTTCAGAGCAGAAGAAAAGTAAAGAAAAGTTCCTTACCCGGCCGCCACTTT
 GCAAGCTGTTCTGAGAAAGTTATATCAAAGATCAAGTATTTGGATCTAATCTTGCTAATCTGTGTCAG
 AGGGAGAATGGGACAGTGCCAAAGTTTGTGAAGTTATGCATTGAGCATGTGCAAGAGCATGGTTTAGATG
 TTGATGGTATTTACAGAGTGAGTGGCAACCTTGCCGTGATCCAGAAGCTGAGGTTTCGAGTCAATCATGA
 TGAGAAGTTGGACTTGAATGACAGTAAATGGGAAGACATTCATGTATCACGGGAGCACTCAAAATGTTT
 TTTGAGAACTACCAGAACCTCTTTTACGTTTAAATCAATTTCAATGATTTGTTAATGCAATTAACAAG
 AACCGAGACAGCGTGTCACTGCAGTTAAGGACCTAATCAGACAGTTGCCAAAGCCAAATCAAGATACAAT
 GCAGATTCTGTTTACAGATCTCAAAGGGTTATAGAAAATGGAGAAAAAACCGAATGACCTATCAGAGC
 ATAGCGATTGTTTTGGCCACCCTTCTAAAGCCAGAAAGAGAGACTGGTAATATAGCAGTTCATCTG
 TGTACCAGAACCAGATTGTAGAGCTGATTCCTGGAATTAAGCACTGTCTTTGGACGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_029277
 Insert Size: 2442 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:	<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_029277.2 , NP_083553.2
RefSeq Size:	4959 bp
RefSeq ORF:	2442 bp
Locus ID:	75415
UniProt ID:	Q8C0D4
Cytogenetics:	18 A1
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]