

Product datasheet for **MC222010**

Arhgap12 (NM_001039692) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF:

>MC222010 representing NM_001039692
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGAGAGAAGTGGAAAGATCACTGCAGGACAAGCGTATATTGAGGTGGAGTATGATTATGAGTATG
 ACGCAAAGGACAGAAAGATTGTGATCAGACAAGGGGAGCGCTACCTCCTGGTGAAGAAGACCAATGATGA
 CTGGTGGCAAGTCAGACCTGATGAGAACTCAAAAGCATTTTATGTGCCAGCACAGTATGTCAAGGAGGTC
 ACTCGCAAAGCTCTGATGCCACCTGTGAAGCAGGCAACAGGACTGCCAAATAACTCTATGAAGACAATAC
 AGAGTATGCATCTCCAGAGATCGACAGAAAATGTGAACAAAATGCCTGAGCTTTCAAGTTTTGGAAAGCC
 ATCGTCATCTGTTCAAGGAACAGGTCTTATTCTGTGATGCCAATCAGAAATTCGGATCCAATTATAATTCA
 GGCCAGACTCTCAACCTAAGCCTGGACCTGACCCATAATAATGAAAAGTTTAAAGTGAATCATTCTC
 CTAAGTTTCCAGCCAGAATAGGACACGCTTATTTGGTCATTTCCCGGCCAGAGTTCTTGGACATAGA
 GAAAAGTAGCTTCTCAGGAACAGTCATGTGACTCAGCTGGAGAAGGCTCCGAAAGAATACAGCAGGAT
 TCCGAGTCTGGAGATGAACTTAGCAGCAGCTCCACTGAGCAGATGAGGGCAACACACCCCCCTAATCAAG
 GAAGGCCAGATTCTCCAGTCTATGCTAACCTACAGGAAGTAAAAATATCACAGTCTGCTCTTCTCTCTCT
 TCCTGGGAGCCAGCAATTCAAGTTAATGGGAATGGGAGACTCAGAAAGACAGTTCAAGCCGTTGTTAC
 TACTATAACCGCACAAACCCAGGAGCAACCTGGAACCACTCGATGGGCTCGAGATGTGAGCACAAGCC
 GAGATTTTACAGAGCCAGGAGAGCAAGAGCCTCTTTCATCAGAAAGAAAATACCACAGCAGTTGTTTCAG
 CCAGTCAGATAGTCAGTGTGGCTCTCTCCAGGGGTTGGTCAGAAGAGCTGGATGAACGTGGGCATACC
 TTGTATACCAGTGAATATAAGGAAAAGTGGCTCAAGCATGTTGATGATCAAGGTAGACAGTATTACT
 ACAGCGCAGATGGATCTCGGTGAGTGGGAATTGCCAAAGTATAATGCTTCATCTCAGCAGCAAGAGA
 AATAATTAAAAGTAGGAGCTTGACAGGCGGCTGCAAGAACCAATAGTGTAACTAAATGGAGACATAGC
 ACCATTGTGTTGGACTCCAACGACAAGGATTCTCCAATACCACAAAACCTGCTTACCTGAAAATGAAT
 CTCCTCTACTTCAAGCATCAAGATCCAGGTGAGGAGAAATATGGACTGTTAAATGTAAACAAAAT
 TACTGAAAATGGGAAAAAGTTCGAAAGAACTGGTTGTCTTCTTGGCAGTGTGACAGGTTCTGCTTTA
 CTTTTTACGAAAACCTCAAGGAAGTAGTACAAGCTGGTTTGGGAGTAATCAGTCCAAACCAAGATTCACAG
 TGGACCTGAAGGGGCGAGTGATTGAAATGGCATCAAAGGACAAATCGAGCAAGAAGATGATTTGAGCT
 GAAAACCTCGACAAGGAACAGAACTGCTAATTCAGTCTGATAATGATGCTGTTATTAATGATTGGTTTAA
 GTTCTTAGTAGTACTATCAATAACCAAGGTAGCAGAGGCGGATGAAGCAGCTGAAGAGGAAACACCAAGT
 CACCAGGGGTAGAAAAGCATGATAAAGAAAAGGACCAGAAGGAGCTTAAAAAATTCGCTCAATGAAAGG
 ATCCAGCATGGATTCTCAGAGCAGAAGAAAACCTAAGAAAACCTTAAAGAAGTTTCTTACCGGCGCCCC
 ACTTTGCAAGCTGTTCTGAGAAAGTTATATCAAGATCAAGTATTGGATCTAATCTTGCTAATCTGT
 GTCAGAGGGAGAATGGGACAGTGCCAAAGTTTGTGAAGTTATGCATTGAGCATGTGGAAGAGCATGGTTT
 AGATGTTGATGGTATTTACAGAGTGAGTGGCAACCTTGCCGTGATCCAGAAGCTGAGGTTCCGAGTCAAT
 CATGATGAGAAGTTGGAATGACAGTAAATGGGAAGACATTGATGTCATCACGGGAGCACTCAAAA
 TGTTTTTTCGAGAACTACCAGAACCTCTTTTTACGTTTAAATCATTTCAATGATTTTGTAAATGCAATTAA
 ACAAGAACCGAGACAGCGTGTCACTGCAGTTAAGGACCTAATCAGACAGTTGCCAAAGCCAAATCAAGAT
 ACAATGCAGATTCTGTTTAGACATCTCAAAGGGTTATAGAAAATGGAGAAAAAACCGAATGACCTATC
 AGAGCATAGCGATTGTTTTGGCCCCACCTTCTAAAGCCAGAAAGAGAGACTGGTAATATAGCAGTTCA
 TACTGTGTACCAGAACCAGATTGTAGAGCTGATTCTCTGGAATTAAGCACTGTCTTTGGACGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001039692

Insert Size:

2517 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001039692.1 , NP_001034781.1
RefSeq Size:	5034 bp
RefSeq ORF:	2517 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]