

Product datasheet for **MC222848**

Arhgap4 (NM_138630) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap4 (NM_138630) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap4
Synonyms:	A130009C12Rik; A530015A20Rik; c1; mKIAA0131; Rgc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222848 representing NM_138630

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCGCACGGGAAGTTGCGGCGGGAGCGGGGCTACAACCTGAGTATGACGCACAGGTCAAAGAGA
TGCCTGGCAGTTGAGTGAGCAGCTTCATTGCCTGGAGCTTCAGGGAGAGCTTCGGCGGGATTTGCTGCA
GGAGCTAGCTGAGTTCATGCGGCGCCGGCGGAGGTAGAACTGGAGTATTCTCGGGGCTGGACAAGTTG
GCTGAACGCTTTACCAGCCGAGTGGTGCCTTGGGGGAGCAGCCAGGAGCAGCAAGCTTCGGGAAGG
AGCCGACTCTCCTGTCACCCCTGCACTGCTGGGCTGTGCTGCTGGAACACACTCGGCAGCAGAGTCGGGA
AAGTGTGCCCTCAGTGAGGTGCTGGCTGGGCCCTGGCAGCGCCTAAGTCACATCAGCGAAGATGTG
GGACGTATTGTCAAAAAGAGCAAGGACCTGGTGCAGCAGTTGCAGGCTGAGCTCCTGGAAGTGGTCTCAG
AACTCCAGACAACCAAGAAGATGTACCATGTGTACCACTCAGAGAGCATGAATGCTGAGACTAACTTCG
GGAAGCGGAGCGCAAGAGGAGAAGCGGTGAGCAGGAGTGCCTTATCCACCACCACTACTACTTCTGCC
ACCACCACCACTACTACCACCACCGTTGAGACAGGGCCCCACCGAAAGAGCTCTCTCAAGAAAGGAGGGC
GGCTAGTGGAGAAGCGTCAAGCCAAGTACTTGGAGCATAACTTAAGTGACCAAGGCCCGAAATAGTA
CCTGCTCAGCCTGGCCAGTGTCAATGCCCCATCAGCACTACTACTTACACGATATCTTGGATCTCATG
GATTGCTGTGACACAGGTTTCCATTTGGCCCTGGAGCAGGCCCTCCGGAGCTACACAGCTGCTGAGAGCC
GTACCCAAACCTCCCAGATGCAGGGCTTAGGCAGCCTGGAAGAGGCTCTGGAGGCTTTGGATCCTCCAGG
GGACAAGGCCAAGGTGCTTGAGGTTTCATGCCATGGCCTTCTGTCCCCCTCTACGTTTTGAATACCAGCCC
CATGAAGATGATGAGGTGGCCGAGGTCTGATTGAGATGGAAGTGTGGGATGAGATTTTGCCAGAGCTC
AAAACATTGAGTGCCTGGACCAAAAGACCATCGAGACAGAAGAGGTGAATAAGACACTGAAGGCAAC
ACTTAAGGCTCTGCTAGAGGCGGTGGCATCAGAGGATGGGGACATACTGGACTCTTTCAGGCCAGCCCC
TCCACTGAGTCCCTCAAGTCTACAAGCTCGGACCCAGGACCCGACAGACAGGCCGTAGACGGAACCAGC
AGCAGGAGACAGAAACCTTCTATATTACGAAGCTGCAGGAATATCTGAGTGGCGGAGCATCCTTTCCAA
GCTGCAGGCCAAGCATGAAAACTTCAGGAAGCCATACAACAAGGTAACAAGGAAAGCAAGAGACATCT
CGGACCCAGTGCACAGAGAGAAAATTCCACAAGAGCCATCCCCCATCTAGATTCCAGTATAATCAGA
GACTTTTTGGAGGTGATCTGGAGAAGTTTATCCAGAGCTCAGGCCAACCTGTGCCCTTGTGGTGGAGAG
CTGTATTCGCTTCATTAATCTCAATGGCCTGCAACATGAAGGCATTTCCGGGTATCAGGTGCCAGGCC
AGGATCTCAGAGATCCGAGATGCCTTTGAAAGAGGGGAGGACCTCTGGAGAAAGGCTGTACTGTCCATG
ACCTAGACTCAGTGGCTGGGGTACTAAAGCTGTACTTTCCGAGCCTGGAGCCCCACTCTTCCCCTTGGA
CATGTTTAATGAGCTGCTGGCTTCAGCAGAACTGGAAGTTGTGGGTGAGCGAGTAGAGCCTGTGAGCCAT
CTGCTATTCAACTACCCAGACCTGTGCTAGTGGTCTACGCTATCTCTTACCTTCTCAACCCTGG
CCCAGTACAGTGATGAGAACATGATGGACTCCTACAACCTGGCTGTATGTTTTGGGCTACACTGTTGCC
TGTGCCTGCTGGCAAGACCCAGTAGCCTTGCAAGGCCGAGTGAACAGCTGGTCCAGACCCTATCCTG
CAACCAGCACGGATTTTCCACCTCCAGCCATGCTGCCAGGCCCATCTATGAGAAATGCATGGCACCAC
CTTCTGCCAGCTGCCTGGGGATGGCCAGTTGGAGAGCCTCATTGGGGAGCCAGAGCTGGAGTTGAAAC
TGGGACCACAGCTCAGGAGGATGACCAGGAGGGAGTTTTGGAGGCTGTGGCCTGCTTTGCCTACACTGGT
CGTACGGCCAGGAGCTGACATTCCAGCGAGGGGATGTGCTGCGATTGTATGCTCGGGCATCAAGTGACT
GGTGGCGAGGGGAGCATGCTGGTGTGAGGGGCTCATTCCCATAAGTACATCACACTTTGTGAGGGGGA
TGAGAAGCAGATGGCTGGTTGAGACTACAGGCCATGGGGGAATCTGTGAGCCATCCAGAGGGCTTCCTG
ACGTTGGAGTTTGCCAACCGGTTGGAAGTGGCAGCCACCTGAGGCTTTGGGCCCTCTAGGCACAGAC
GACCCTGTTTAGTCCCTACCTCCCCTGAAGGACATGTGGAATGGATAAGGCTGTGGCAGAGAACATGAA
TTCTGTGTTTAAGGAGCTCTGGGAAAGACTGCTGTCCGCCAGGGCCATGGGTTAGCATCTACAGCCTCC
CCGAGTCTAGGAACCTGACGCCCTGGCTGCAGCAGCATCAGCAAAAACAAAGTCTTCTCCCGGGGAC
CTGGGGCTCAATTTCCCCTCAACCTCCCATCCCAGGGTCCAGATTCAACTCGCAAGCCAGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_138630
Insert Size:	2868 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:	<u>NM_138630.2, NP_619536.2</u>
RefSeq Size:	3321 bp
RefSeq ORF:	2868 bp
Locus ID:	171207
Cytogenetics:	X A7.3