

## Product datasheet for MC223868

### Arhgap20 (NM\_175535) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arhgap20 (NM\_175535) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arhgap20  
**Synonyms:** 6530403F17Rik; A530023E23Rik; mKIAA1391  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223868 representing NM\_175535  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAAGCGATGTCTCCGCAGCAGGATGCTCTAGGGCGCAGCCGGGGCGCTCCTCCTCGCTGACAGGCA  
 TGCTCTCGCATCGCGGGAGGCCCTGGCACCAAGAAGAAAATGAAAACACTCGCAGAAAGGAGGAGAAGCGC  
 CCCGTCCTCATCTGGACAAAGCCTTACAGAAGCGGCCGAGCACCAGAGACAGCCATTCTGCCAGCATT  
 GACACGTGTGCATTCTCTCGTCTTTCATGTGCTCCAGTCCGACTCTGCTGATTGATGGTCCAGTGGAAAC  
 TTTAAAAGAGGCCCTGCAGAGGCAGGAGAGGCATCTTTTCCTATTCAACGATCTGTTTGTCTCAGCCAAAAT  
 CAAATATAACAACAACCTTTAAGATAAAGAATAAAAATAAGACTAATGACATGTGGACAGCTAGCTGTGTG  
 GAGGAAGTGGGAGAAGGCAACATGAATGCTCAGAAGTCTTTGTCTGGGCTGGCCACCCTGAACTTTG  
 TGGCTACTTTTCAGTTCTCCAGAACAAAAGGACAAATGGCTGTCTCTCCTCAGAGATACATCGCTCTAGA  
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 TTTAAAACATAACAGTGATGAATTCAGACACAGCGAGTGAAGTTATCAACATGCTACTGCAAATGTTAG  
 GAATAACTGGCTCTGAGAGAGATTACCAACTGTGGTAAATCTGGAAAAGAAGCGGCACCGTACCCACT  
 CATTGGACACGAGTATCCTTATGGAATTAATAAGCCACCTCCGAGACACTGCCCTTCTGACGCAGGGA  
 TCAAGAGACTCTGCCAGCCATCCAGCTCCAAGAGCCTTTCTCATGGAGCAGCTGCCCGCGAGATGC  
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 ATTTAAAAGGAGGCGCTCATCATCAACTGGGCTTTTGGCGGGTTCTAGCACACACCTGGACAACCTG  
 CCCATGTCACCAACATCCCCTATGCCAGGACAGCTCTTTGGAGTTTCTTTACCAGATCTTTGTGAGAACG  
 ACAATCTGCCAAAGCCTATCTTGGATATGCTTTCCTTAACCAAAAAGGCCCCCTCACAAAAGGCAT  
 CTTCAGGCAGTCGCCAACATGAAATCTTGAGAGAGCTAAAGGAGAACTGAATCTGGAATCGAAGTC  
 CACCTTGACTGTGAATCCATCTTTGTGATAGCATCTGTGTGAAGGATTTCTGAGAAAATATCCAGAAA  
 GTATCTTTTCATCAGATCTATATGATCACTGGGCTGTGTAATGGATCAAGGAAAATGATGAAGAAAAAT  
 AAATATAATTCAAAGGCTATTAGATCAGCTTCCAGAGCCAATGTTGTTTCTAAGGTATCTGTTTGGG  
 GTATTACACAACATTGAACAACATTCCTTGTCTAATCAGATGACTGCATTAACCTAGCAGTGTGTATCG



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CTCCAAGCATTCTTTGGCCTCCTGCTTCTCCAGTCCAGAGCTAGAAAATGAATTTACAAAAAGGTTTC
TCTTCTTATACAATTTCTGATTGAAAAGTCTGTAGGGTATTTGGAGAAGAAATCGCTTCTCTTTGGG
GAGTTTCGGAGAGAAGCGACAGAGAACACACCCAGATATAACTTGCTTCCAAATGAACGACTCCTCT
ATGACAGCTTGGAAAACGAGCTCAATGAGGAAGCTGATGCTCCATGCAGTGACCTGGTCAAAAAGCTTG
CCAGGGTAGCAGGAGCATGGACTCTGTCTTAACCTCAGCGACTATGACCTTGAACAGCCTGAGGTGGAA
GGCCTCTTAACCTGAGCAACTTTGACTTAGATCAGTCTAAAGAGGAGCACATTCGATAAAGCCACCTC
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GCCTCAGAAGAAAGGGGATAAGGTGTGTCTTAACAGAGTTTCACTGACAGGCACTGACGTGAGCAAGAGA
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GCAAGCCTTTGATGCAGACCCATGCCGTTCTCCCCACCACCTAACAGATGCCAAAAGAGCTCAAGG
GTGCAACATCGGGCTGTTCAGAACCAGCATAGATGACCAGAACTACAAGCTGTCTATCTCAGGGGGA
TCTATTCAATGAAACAAAATAAAGCCAGCTGTGAGGCTGGCCTTTCATGGGGAGGACACTATCTCAG
AAGGCATAAGTCTTTGCAATCGAGGGCCAAAAGCTTATTAATCAGAGTTTGGTCATGGGCATTGAGGTG
GGCAAGAGCAGCAGCTCTACCAAAGCACTGAGAAGGTTTTGCCCAAGACTAAACCTTTGCCAAGGG
CAAGCTATTCAAGCTTATCTTCTCCAGGCTCGTCCCCATCCGGCTCCTGTAAAGCTCCAGGACAGCGC
TTTCTCTCAGATCTCTGAACACTCCGTGTTTACGCCACCAGAACTCCTCACCATAGATTGCACTTTC
CAGACACAAAAGAAAACAAGAAGAGCTGTCTTACAGCTTTGACAGTCCCAGCCGCTTTCCGGAATGCCCG
GTCCCTCCATGGGTCAGGCCAGCAGCCACCTAGCTTATTAAGAAAGGGTACCACGGAGCAGCCATCACA
AATGCATTCTGTAACCTTCACCCAGTGCCTGGTTGAGAAGTGGCTTGGTCACCTTAAAAAAGTGGTCC
CTCAAAAAGAAAACAAGCAGCCAGCCAGACAGAAAGTCTGTTCCCTGAAAGAGCCTCTGGAGT
TGCCGTCATGTGCTTCCGGTACCCAGAGGCTGACTCTCTACAAGAGAGTCAGGATGACTTACAGGGAGA
TGAAGGACCTGGGCAAACAGCCTGTGGATTCAAGTCTTATGCCTGTGAGGACTCAGAGCAACATGCCGGC
TCTCCATTCCACCTGGCAGAAAGCAGACTCAAGCCTTGTATGAAGTTATAAAGGGAGAAGAGAGTGGAG
GGCAGTACCCTTGTGATAACCTTGGGAAGGAGCCTTCAAGTCTGGAGACCACGGAGGATACAGCCAA
CCCAGGTGCAGAACCTACAACATTTGCGATGACGGGGACAGATATTTAA

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**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_175535
- Insert Size:** 3549 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\\_175535.3](#), [NP\\_780744.2](#)

**RefSeq Size:** 6365 bp

**RefSeq ORF:** 3549 bp

**Locus ID:** 244867

**UniProt ID:** [Q6IFT4](#)

**Cytogenetics:** 9 A5.3

**Gene Summary:** GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]