

## Product datasheet for **MC222007**

### Arhgap42 (NM\_027823) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap42 (NM_027823) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap42
Synonyms:	9030420J04Rik; BE136619
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222007 representing NM\_027823  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCTGCCACTCTGGAGTTCAGCGATTTCGATTTGGACAGCCCGGATTTAGGGAGCGATTGCAGT  
 GTCACGAGATCGAGCTGGAGAGAACCAACAAGTTCATCAAAGAGCTGCTGAAGGATGGCTCTCTGCTCAT  
 CGGGGCGCTGAGAAATCTGTCCATGGCTGTACAGAAGTTTTCCAGTCTCTGCAAGACTTCCAGTTTGAG  
 TGTATTGGAGATGCAGAACTGATGATGAAATTAGTATTGCTCAGTCACTGAAAGAATTCGCAAGGCTAC  
 TTATTGCTGTAGAAGAAGAAAGGCTAGACTGATTCAAAATGCTAATGATGATTAATTGCACCCCTTGA  
 GAAATTTGAAAAGAACAGATCGGTGCAGCTAAAGCAGATTACAGATTGGCCGAGAACATCAGAACTTC  
 TATGAAGCTTCATTAGAATATGTCTTTAAGATCCAAGAAGTTCAGAGAAGAAGAAGTTTGAGTTTGTGG  
 AACCGCTTTTGTCTTCCCTCAGGGTTTGTACATTTTACCACGAGGGATATGAACTTGCCAGGAATT  
 TGCACCGTACAAGCAACAGCTACAATTCAACTTGCAGAATACAAGGAATAACTTTGAAAGCACTCGGCAA  
 GAAGTGGAGAGACTGATGCAGAGGATGAAGTCTGCCAATCAAGATTATAGACCTCCAGCCAGTGGACCA  
 TGGAGGGCTATCTTTACGTCCAGGAGAAAAGACCACTGGGTTTCACATGGACTAAACACTACTGTACTTA  
 CGCAAAGGAAGCAAAATGTTCACAATGAGCGTCTCCGATGTGAAAGCCAGTGGGAAGTGAACGGCCTT  
 GTTACTGGTTCGCTGAAATGTTAAATTAAGTTCGTGTATCCGACGGAAGACAGATTCCATTGACAAGC  
 GCTTCTGCTTTGACATAGAAGTGGTCGAAAGGCATGGCATCATTACGCTACAGGCATTCTCTGAAGCTAA  
 CCGGAAGCTCTGGCTGGAGGCCATGGATGGGAAGAACCGATTTACAGTTACCCGCCATAATTAGCAAG  
 AAAGAAGAAATGACTTAAATGAAGCAGGCTTCAACTTTGTGAGAAAATGCATTCAAGCTGTAGAAATGA  
 GAGGCATCACCATCTTGGCCTGTACCGAATAGGAGGAGTGAACCTCAAGTCCAGAAACTGAAACAC  
 CACATTTTCTCCCAAGTCCCCTCTGATATGGACATTGATATTGAGCTGTGGGACAATAAGACTATAACG  
 AGTGGGCTGAAAAACTACCTCAGGTGCCTTGCAGAACCCTAATGACTTACAAATTCACAAAGGATTTCA  
 TCATTGCTGTCAAGTCAAGCAGACGACCAAACTACAGGGTGGAGGCAGTCCATGCACTGGTACACAAATTGCC  
 GGAGAAAAACAGAGAGATGCTGGACATCTTGATAAAACACCTTCTCAAAGTACTACTACATAGCCAACAA  
 AATCTTATGACCATCTCAAATCTCGGTGCATATTTGGTCCAACCCTGATGAGAGCACAGGAGGAAACTG  
 TGGCTGCCATGATGAACATCAAATTTCAGAACATAGTGGTGGAAATCCTAATCGAGCACTATGAGAAGAT  
 TTTTCATACTGCCCCAGACCCCAACATTCCTCTCCTCAGCCTCAGTCTCGATCGGGATCCCGAAGAACC  
 CGGGCCATCTGCCTGTCCACAGGTTCTCGGAAGCCAGAGGGAGGTACACGCCGTGCCTGGCAGAGCCTG  
 ATAGTGACTCCTACAGCAGCAGCCAGACAGCACTCCCATGGGCAGCATAGAGTCCGCTCTCTCCCCTC  
 CTCTGAACAAAACAGCACCACAAAATCCACTGCCTGCCAGCCAGGGAGAAGTCAGGAGGAATCCCTGG  
 ATCACAACCCCATCATCTTCCAATGGACAGAAAAGTCAGGGTCTCTGGACAACACTAGTCCAGAATCAAGTT  
 CTCGAGAAGATGCAACCAAAACAGATGTGGAGTCAAGTTGCCAGAGTGTGGCCTCTATCACAATCCCGGG  
 GAATGTCTCTCCCCATAGACCTAGTCAAAAAGGGCCCTATGGGCTCTCAGGACTGAAAAGATCCTCT  
 GCTTCTCCTCTCTCAGATCCATCTCTGCAGCTGAAGGAAACAAGAGCTACAGTGGATCCATTCAAAGCT  
 TAACCTTATAGGCTCCAAGAGTCACTAAAGCCATACCAAACCCAGAGCTGCCTCAAAAATGTGCAG  
 GAGGTTAAGGCTAGACACTGCCTCCAGCAATGGCTACCAGCGACCTGGCTCAGTAGTGGCAGCAAAGGCT  
 CAACTCTTTGAAAATGCTGGGTACCCCAAGCCAGTTTCTTCTGGACGCCAAGCCCAAGCCATGACTCCT  
 GCAAAGCCGAGCACAGCCATGAGCTGTCTTCCCCAGGGGGCCATTTTTTCCAATGTACCCCGTCCGT  
 GGAGCCAGGGTGGCTAAAGGCAACTTATGAAGGCAGAACAGGACTAGTCCCTGAAAACACTACGTTGTCTTC  
 CT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_027823  
**Insert Size:** 2526 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_027823.1</a> , <a href="#">NP_082099.1</a>
<b>RefSeq Size:</b>	5404 bp
<b>RefSeq ORF:</b>	2526 bp
<b>Locus ID:</b>	71544
<b>UniProt ID:</b>	<a href="#">B2RQE8</a>
<b>Cytogenetics:</b>	9 A1
<b>Gene Summary:</b>	May influence blood pressure by functioning as a GTPase-activating protein for RHOA in vascular smooth muscle.[UniProtKB/Swiss-Prot Function]