

## Product datasheet for **RR200052**

### Arhgap9 (NM\_001080789) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap9 (NM_001080789) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap9
Synonyms:	MGC125000
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200052 representing NM\_001080789  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTCTCAGGCCAGTGGTGGCCAAGTATTTGGAAAAATCTAGGACTGAGTCTACAAAGCCCTTCTCAGG  
 GGCCGGAGCTCTGTGCCCTTTATCCCTTTGCTTATACAGGGCAGATGGCCGGCAGGTGTCTCTGGCCGA  
 AGGTGACAGGTTCTACTGCTTCGAAAGACCAACTCAGACTGGTGGTTGGCAAGGCGCCTGGGAGCGCCC  
 CCCAGCTCTCGGCCATCTTTGTTCCAGCTGCATATGTGACAGAGGAATCAGTCTCTGCCACAACCCAG  
 CAGGCAGTACCCACAACAGTTCCTCTGGACTCCTGGAACAAAGCTGTACCGTGGCTCCCTGGAAGATCT  
 CTACTTATCTCAGGAACACCAGTTGTTTCTGGGCAGCCTCCTCACTGTTCCACAAAATGTGCAGAAGT  
 GTCAGCATGGCCAATGTGAAGCTCTGCTCTCTGAAACCCTTCAAGGAAGGGCCCCAAGAAAGTTTCTCT  
 CTCAGGACTGTTGGAGGACAGAAGCCAGTGTCTGTCTGTGAAATCTGGTCCATGGAGCACACAGAGGC  
 TTTGATCAGGGACAGTAATCCTCTGCAACATCAGGAATGGCTGAATGCACAGGATTTACCAAGCCTCAGC  
 CAAAGCATCCCGTGGCCTGATGTCTCGGAGCAACCCTGTCCACACGAGGAAAGGTGAGGCCTGTCAACA  
 TGACCAAGATTGCTCAAGGAGGGCGCAAACCTCAGGAAGAGCTGGGGCCCTGCTTGGGTAGTGTTAACTGG  
 TAACAGCCTTGTGTTCTACCGAGAGCGGCCACCGCAGTGTGCACCCTCCCAAGGCTGGGCGCCGGCTGGA  
 AGCAGACCAGAAAGTAGCGTGGACTGCGCGGGGGCGCCCTGGCCAGCGGGCGCCAGCTGTCCAGCCGCC  
 GGAACGTCTGCACATCCGCACGGTCCCAGGGCATGAGTTCCTGCTGCAGTCGGATGAGGAGACGGAGCT  
 GAGAGCATGGCACCGCGCTGCGGGCGGTATCGAGCGGCTGGATCGGGAGAACCCCTGGAGCTGCGT  
 CTGTCTGGCTCCGGACCCGCTGAGCTGGCAGAGTTGAGTGGTGGTGGATGACGAATTGGAGTCGGAAC  
 CGGTGTCCAAGTCCCTGATGAGGCTTGGCAGCCGAGAACTCCAGTCGGTGTGCAGAGGGCACTGACCA  
 GAAGAACCCTGCGGAACAAGTTAAAGCGCTAATCGCAAAGAGACCAACTTTACAGAGCCTTCAGGAG  
 CGGGGTCTGTTCCGAGACCAAGTTTTTGGCTGCCAGTTGGAGTCGCTGTGCCAACGGGAAGGGGATACCG  
 TGCCAGCTTTGTCCGGCTTTGTGTTGAGGCTGTGGATAAAAAAGGTCTAGATGTGGATGGCATTACCG  
 GGTGAGTGGGAACCTGGCAGTGGTCCAGAACTCCGCTTCTGGTAGACAGAGAACGGCAGTGCACCTCC  
 GATGGGAGATACATGTTCCAGAACAGCCAGGACAAGAAGGCAAATTAGATTTAGACAGTGTGAATGGG  
 ATGATATTCACGTGATCACTGGAGCTTTGAACTTTTTTCCGGGAGCTGCCACAGCCTCTGGTGCCTGC  
 GTTGTGCTGCCTCATTTTCGGGATGCCCTTGAACCTTCTGAGCCAGAGCACTGCCTCTCTAAAATACAG  
 AAATTAATAGACTCGTTGCCGAGGCCAACCATGACACTCTGCAGTACATCCTGGAACATCTGTGCAGT  
 CAGGGAGACTCAGCAACCTTGTCTGTCTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200052 representing NM\_001080789  
 Red=Cloning site Green=Tags(s)

MFSGQWWPSIWKNLGLSLQSPSQPELICALYPFAYTGADGRQVSLAEGDRFLLLRKTNSDWWLARRLGAP  
 PSSRPIFVPAAYVTEESVSNPAGSTHNSLWTPGKLYRGSLEDLYLSQEHQVVSQPPHC SHKMCRS  
 VSMANVKLCSLKPFEKGPQERFLSQDCWRTEASAAAVKSGSMEHTEALIRDSNPLQHQEWLNAQDLPSLS  
 QSIPWPDVSEQPCPHEERSGLLNMTKIAQGGKLRKSWGPAWVVL TGNSLVFYRERPPQCAPSQGWAPAG  
 SRPESSVDLRGAALASGRQLSSRRNVLHIRTVPGHEFLLQSDEETELRAWHRALRAVIERLDRENPLELR  
 LSGSGPAELAELSGGEDDELESEPVSKSLMRLGSRRTSSRCAEGTDQKNRVRNKLKRLIAKRPTLQSLQE  
 RGLFRDQVFGCQLES LCQREGDTPVSPFVRLCVEAVDKKGLDVGDIYRVSGNLAVVQKRLFLVDRERAVTS  
 DGRYMFPEQPGQEGKLDLSAEWDDIHVITGALKLFFRELQPLVPALLLPHFRDALELSEPEHCLSKIQ  
 KLIDSLPRPNHDTLQYILEHLCSRGRSLNLVRAE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

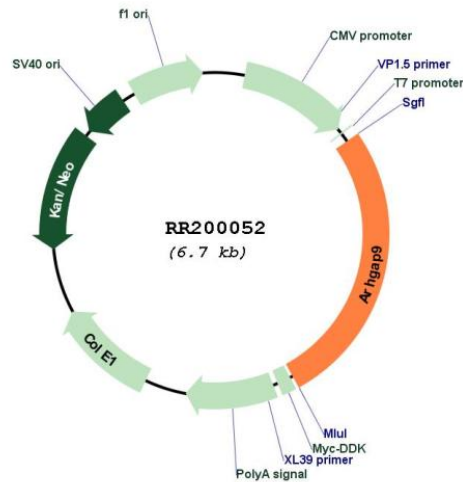
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001080789

ORF Size: 1782 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001080789.1</a> , <a href="#">NP_001074258.1</a>
<b>RefSeq Size:</b>	2480 bp
<b>RefSeq ORF:</b>	1785 bp
<b>Locus ID:</b>	362893
<b>Cytogenetics:</b>	7q22
<b>MW:</b>	66.6 kDa