

## Product datasheet for **RR206858**

### Arhgap8 (NM\_001004242) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arhgap8 (NM\_001004242) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Arhgap8  
**Synonyms:** MGC94058  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206858 representing NM\_001004242  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGGCTGGACCCACGCTGAGCACAAGTACCCATTCTATGATGTGGCCAGACACGGCATCCTGC  
AGGTGGCAGGGGATGACCGCCAGGGGAGACGCATCTTCACTTTCAGCTGCTGCCGTTGCCACCTTGCA  
CCAGCTCAACCACCAGCGTCTGCTGGAGTATCTGAAGTACACACTGGACCAGCATGTGGAGAACGACTAT  
ACTATCGTCTACTTCCACTATGGCCTCAGCAGCCAGAACAACCATCCCTAGGATGGCTCCAGAAGCCCT  
ACAAGGAGTTTGACCGGAAGTACAAGAAGAACCTGAAGGCATTGTATGTTGTACATCCCACAGCCTCAT  
CAAAGCACTGTGGAACATCTTCAAGCCCCTCATCAGTCACAAGTTTGGGAAAAAGTCACCTACTGCAGC  
AACCTGCGTGAGCTCCGGGAACACCTTCAGTGCGACCAGCTGCTCATCCCCCGGAAGTGGTGCGGTATG  
ACGAGAAGCTGCGAAACCTGCACAAAGGCCAGACAGCCCTCCCACCAAGACGCCGCCACCTCGGCCGCC  
TCTGCCTACCCAGCAGTTCGGCGTCAGTTTGAATACCTCAGAGACAAAAATCAAGGTGAAGTCAATCCCC  
CCTGTGCTGCGTTGGACGGTGACATATCTGAGAGAAAAAGGACTGCACACTGAAGGCCTGTTCCGGAGAT  
CAGCCAGCGCCAGACTGTCCGCCAGGTGCAGCGGCTCTATGATCAAGGGAAGCCTGTGAAGTTTATGAT  
TTATGGTGACATGCACCTCCAGCTGTGATTCTAAAGACATTTCTTCGAGAGCTGCCAGCCACTGCTG  
ACCTTCCAAGCCTACGAGCAGATTCTCGGGATCACCAAGTGTGGAGAGCAGCCTGCGAGTGACCCACTGCC  
GCCTGATCCTGAGGAGCCTCCAGAACAACAATATGCCGTCTCCGCTACCTCATGGGCTTCTGATGATG  
GGTGTCTCTGGAGAGCATTTCAAACAAGATGAACAGCTCTAACCTGGCATGTGTGTTTGGGCTGAAGTTG  
ATCTGGCCATCCCAGGGGGTGGCTTCCCTGAGCGCCCTGGTTCTCTGAAGTTGTTACAGAGCTGCTGA  
TAGAGTACTATGACAAAGTCTTCAAGTCCCAGGAGGGCCCTGGGAGCAGCATCCGGGATACTGTCGAAAC  
GAAACAGGCTGGTCTGTTACCAAAGAATTCACACAGACGGGCACTCCCCGGGCCTACCATACTGTCT  
CGCTCCGTATCCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206858 representing NM\_001004242  
 Red=Cloning site Green=Tags(s)

MAGLDPTLSTSHPFYDVARHGILQVAGDDRQGRRIFFSCCRLPPLHQLNHQRLLEYLKYTLDQHVENDY  
 TIYVFHYGLSSQNKPSLGLQNAAYKEFDRKYKKNLKALYVVHPTSLIKALWNIKPLISHKFGKKVITYCS  
 NLRELREHLQCDQLLIPPEVVRYDEKLRNLHKGQTAPPTKTPPPRPPLPTQQFGVSLQYLRDKNQGELIP  
 PVLRWTVTYLREKGLHTEGLFRRSASAQTVRQVQRLYDQKPKVNFDDYGDMLHPAVILKTFRLRELQPPLL  
 TFQAYEQILGITSYESSLRVTHCRLILRSLPEHNYAVLRYLMGFLHEVSLESISNKMNSSNLACVFLNL  
 IWPSQGVASLSALVPLNLFTELLIEYYDKVFSAQEGPGEHIRDTVETKQAGPVTKEFTQTGTPRASPYLS  
 RLRIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

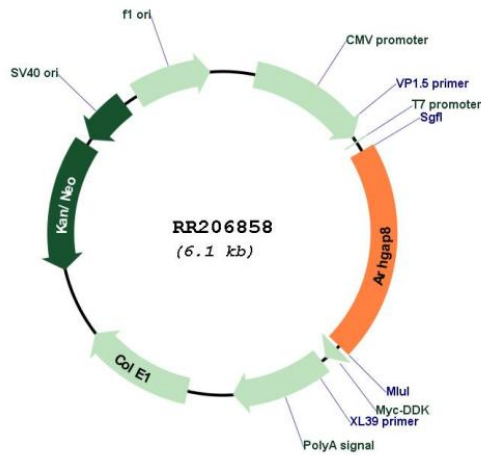
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001004242

<b>ORF Size:</b>	1275 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_001004242.1</a> , <a href="#">NP_001004242.1</a>
<b>RefSeq Size:</b>	1543 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	300115
<b>Cytogenetics:</b>	7q34
<b>MW:</b>	48.9 kDa