

## Product datasheet for **MR217333**

### Arhgap8 (NM\_028455) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap8 (NM_028455) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap8
Synonyms:	3110043J09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR217333 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGGCCTGGACCCACACTGAGCACAAGTACCCATTCTATGATGTGGCCAGACACGGCATCCTGC  
 AGGTGGCAGGGGATGACCGCCAGGGGAGACGCATCTTCACTTTCACTGCTGCCGGCTGCCACCCTTGCA  
 CCACTCAACCACCAGCGCTGCTGGAGTATCTGAAGTACACACTGGACCAGCATGTGGAGAACGACTAT  
 ACTATTGTCTACTTTCACTATGGCCTCAGCAGCCAGAACAACCATCCCTAGGCTGGCTCCAGAACCTT  
 ACAAGGAGTTTGACCGGAAGTACAAGAAGAACCTGAAGGCACTGTACGTTGTACACCCACCAGCCTCAT  
 CAAAGCACTGTGGAACATCTTCAAGCCCCTCATCAGTACAAGTTGGGAAAAAAGTCACTACTGCAGC  
 AACCTGCGTGAGCTCCGAGAACACCTTCAAGTGCAGCAGCTGCTCATCCCCCGGAAGTAGTGCGGTATG  
 ACGAGAACTGCAAAACCTGCACAAAGTCAACCGCCCCCGCCACCAAGACACCGCCACCTCGGCCGCC  
 TCTGCCACCCAGCAGTTTGGCGTCAGCCTGCAATACCTCAGAGACAAAAATCAAGGTGAACATCCCC  
 CCGGTGCTGCGTTGGACGGTGACATATCTGAGAGAAAAAGGACTGCGCACTGAGGGCCTGTTCCGGAGAT  
 CGGCCAGCGCCAGACTGTCCGTGAGGTGACGGCTATATGATCAAGGGAAGCCCGTGAACCTTTGATGA  
 TTATGGAGACATGCACCTCCCAGCCGTGATCCTGAAGACATTTCTCCGAGAGCTGCCCCAGCCACTGCTG  
 ACCTTCCAAGCCTACGAGCAGATTCTCGGGATCACCAGTGTGGAGAGCAGCCTTCGAGTGACCCACTGCC  
 GCCTGATCCTGCGGAGCCTCCAGAACAACACTATGCCGTACTCCGCTACCTCATGGGCTTCTGCATGA  
 AGTGTCTCTGGAGAGCATTTCAAACAAGATGAACAGCTTAACCTGGCGTGCCTGTTGGATTGAACTTG  
 ATCTGGCCATCCCAGGGGGTGGCTTCCCTGAGCGCCCTGGTACCTCTGAACCTGTTTACAGAGCTGCTGA  
 TAGAGTACTATGACAAAGTCTTCAAGTGGCAGGAGGCCCTGGGGAGCACACCCGGGATACTGTGGAAGT  
 ACAGCAGGCTGGCCCTGTTACCAAAGAATTTATGAAGACGGGCACTCCCCGGGCCACCATACCTGTCC  
 CGCTCCGTATCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217333 protein sequence  
 Red=Cloning site Green=Tags(s)

MAGLDPTLSTSHPFYDVARHGILQVAGDDRQGRRIFFSCCRLPPLHQLNHQRLLEYLKYTLDQHVENDY  
 TIVYFHYGLSSQNKPSLQWLQNTYKEFDRKYKKNL KALYVVHPTSLIKALWNIKPLISHKFGKKVYCS  
 NLRELREHLQCDQLLIPPEVVRYDEKLQNLHKGQPPPTKTPPPRPPLTQQFGVSLQYLRDKNQGELIP  
 PVLRWTVTYLREKGLRTEGLFRRSASAQTVRQVQRLYDQGKPVNFDDYGDMHLPVILKTFLELPQPLL  
 TFQAYEQILGITSVESSLRVTHCRLILRSLPEHNYAVLRYLMGFLHEVLSLESISNKMSSNLACVFGLNL  
 IWPSQGVASLSALVPLNLFTELLIEYYDKVFSQEQEAPGEHTRDTEVQQAGPVTKFEMKGTGTPRASPYLS  
 RLRIS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_028455

**ORF Size:** 1278 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_028455.4](#), [NP\\_082731.2](#)
**RefSeq Size:** 1539 bp

**RefSeq ORF:** 1278 bp

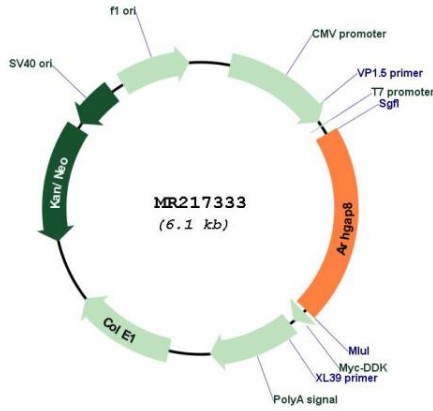
**Locus ID:** 73167

**UniProt ID:** [Q9CXP4](#)
**Cytogenetics:** 15 E2

**MW:** 49 kDa

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

**Product images:**



Circular map for MR217333