

Product datasheet for **MR207564**

Arhgap9 (NM_146011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap9 (NM_146011) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap9
Synonyms:	AU043488
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207564 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCAGACAGAGACTTTGACTAGGGACAGCAGTGCCTACAGCCTCAGGAATGGCTCGATCCACAGG
 GTTTACCAAGCCTCAGCCAAAGCGTCCCATGGCTTGTCTCTCTGAACAGCCGGGAGCCTTGAGGCCTTG
 TTCAGCTCTGCCACAGCTCCTGGATGACCCCCACGTTGAAGAAAGGTCAGGCCTGCTCAACATGACCAAG
 ATTGCTCAAGGAGGGCGCAAACCTCAGGAAGAACTGGGGCCCTGCTTGGTGGTGTAACTGGTAGCAGCC
 TTGTGTTTTACCAGAGCGGCCACCGCAGTCTGCATCCCTCCAAGGCTGGGCGCGGGCTGGGAGCCGGCC
 GGAGAGTAGCGTGGACCTGCGCGGGGGCGCCCTGGCCAGCGGGCGCCAGCTGTCCAGCCGCCGAACGTC
 CTGCACATCCGCACGGTCCCGGGACATGAGTTCCTGCTGCAGTCCGACGAGGAGACCGAGCTGCGAGACT
 GGCACCGCGCGCTGCGGACTGTGATCGAGCGGCTGGATCGGGAGAACCCCTGGAGCTGCGTCTGTCGGG
 CTCGGACCCCGCAGCTGGCCGAGCTGAGCGCTGGTGAAGATGACGAATTGGAATCGGAACCGGTGTC
 AAGTCCCTGATGCGGCTTGGCAGCCGAGAACCTCCAGTCGGTGTGCAGAGGGCACTGACCAGAAGAACC
 GCGTGCAGAAAGTTAAAGCGGCTAATCGCAAGAGACCAACCTTGACAGCCTACAAGAGCGGGTCT
 GTTCCGAGACCAGTTTTTGGCTGCCAGTTGGAGTCGCTGTGCCAACGGGAAGGGGACACCGTGCCAGC
 TTTGTCCGGCTTTGTGTTGAGGCCGTGGATAAAAAAGTCTAGACGTGGATGGTATTTACCGGTGAGTG
 GGAACCTGGCCGTGGTCCAGAACTCCGCTTCTGGTAGACAGAGAACGGGCAGTGACCTCTGATGGGAG
 ATACATGTTCCAGAACAGGCAGGACAAGAAGGCAAATTAGATTTAGACAGTGCCGAATGGGATGATATT
 CACGTGGTCACCGAGCTTTGAAGCTTTTTTCCGGGAGCTGCCACAGCCTCTGGTGCCTGCATTGTTGC
 TGCCTGACTTTCGTGATGCCCTTGAACCTTCTGAGCCAGAGCAGTGCCTCTCCAAAATCCAGAAATTAAT
 AGACTCGCTGCCAGGCCCAACCATGACACTCTGAAGTACATCCTGGAGCATCTGTGCAGGGTGATAGCA
 CACTCGGATAAGAACCGAATGACCGCCACAACCTGGGAATTGTGTTGGACCGACACTGTTTCGACCTG
 AGCAGGAGGCCTCTGACATGGCGGCCACGTATTCTACCCGGGCGAGCTGGTCCAGTTGATGCTCAACAA
 CTTTGCCAGCCTTCTCACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207564 protein sequence
 Red=Cloning site Green=Tags(s)

MEQTETLTRDSSALQPQEWLDPQGLPSLSQSVPLALSEQPGALRPCSALPQLLDDPHVEERSGLLNMTK
 IAQGRKLRKNWGPAAWVLTGSSLVFYRERPPQSASLQGWARAGSRPESSVDLRGAALASGRQLSSRRNV
 LHIRTVPGHFLLQSDEETELRDWHRALRTVIERLDRENPLELRSGSPPAELAELESAGEDDELESEPV
 KSLMRLGSRRTSSRCAEGTDQKNRVRNKLKRLIAKRPTLQSLQERGLFRDQVFGCQLESQCQREGDTPVS
 FVRLCVEAVDKKGLDVDGIYRVSGNLAVVQKLRFLVDRERAFTSDGRYMFPEQAGQEGKLDLDSAEWDDI
 HVVTGALKLFFRELQPPLVPALLLPDFRDALELSEPEQCLSKIQKLDLPRPNHDTLKYILEHLCRVIA
 HSDKNRMTAHLNIGIVFGPTLFRPEQEASDMAAHVFYPGQLVQLMLNMFASLFT

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_146011

ORF Size: 1422 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_146011.2](#), [NP_666123.2](#)
RefSeq Size: 1811 bp

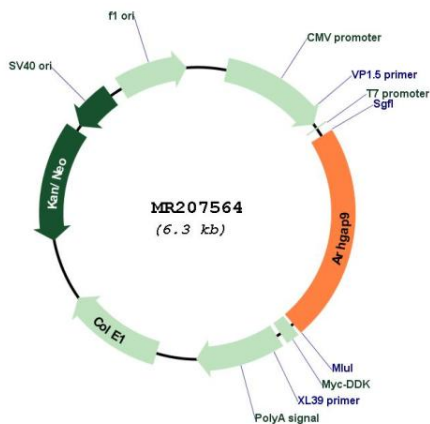
RefSeq ORF: 1422 bp

Locus ID: 216445

Cytogenetics: 10 D3

MW: 53.1 kDa

Product images:



Circular map for MR207564