

Product datasheet for **MG207564**

Arhgap9 (NM_146011) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap9 (NM_146011) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arhgap9
Synonyms:	AU043488
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207564 representing NM_146011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAGACAGAGACTTTGACTAGGGACAGCAGTGCCTACAGCCTCAGGAATGGCTCGATCCACAGG
 GTTTACCAAGCCTCAGCCAAAGCGTCCCATGGCTTGTCTCTCTGAACAGCCGGGAGCCTTGAGGCCTTG
 TTCAGCTCTGCCACAGCTCCTGGATGACCCACGTTGAAGAAAGGTCAGGCCTGCTCAACATGACCAAG
 ATTGCTCAAGGAGGGCGCAAACCTCAGGAAGAACTGGGGCCCTGCTTGGGTGGTGTAACTGGTAGCAGCC
 TTGTGTTTTACCAGAGCGGCCACCGCAGTCTGCATCCCTCCAAGGCTGGGCGGGGCTGGGAGCCGGCC
 GGAGAGTAGCGTGGACCTGCGCGGGGGCGCCCTGGCCAGCGGGCGCCAGCTGTCCAGCCCGGAACGTC
 CTGCACATCCGCACGGTCCCGGGACATGAGTTCCTGCTGCAGTCGGACGAGGAGACCGAGCTGCGAGACT
 GGCACCGCGCTGCGGACTGTGATCGAGCGGCTGGATCGGGAGAACCCCTGGAGCTGCGTCTGTCGGG
 CTCGGACCCCGAGCTGGCCGAGCTGAGCGCTGGTGAAGATGACGAATTGGAATCGGAACCGGTGTC
 AAGTCCCTGATCGGGCTTGGCAGCCGAGAACCTCCAGTCGGTGTGCAGAGGGCACTGACCAGAAGAACC
 GCGTGGGAACAAGTTAAAGCGGCTAATCGCAAGAGACCAACCTTGACAGCCTACAAGAGCGGGTCT
 GTTCCGAGACCAGGTTTTGGCTGCCAGTTGGAGTCGCTGTGCCAACGGGAAGGGGACACCGTGCCAGC
 TTTGTCCGGCTTTGTGTTGAGGCCGTGGATAAAAAAGTCTAGACGTGGATGGTATTTACCGGTGAGTG
 GGAACCTGGCCGTGGTCCAGAACTCCGCTTCTGGTAGACAGAGAACGGGCAGTGACCTCTGATGGGAG
 ATACATGTTCCAGAACAGGCAGGACAAGAAGGCAAATTAGATTTAGACAGTGCCGAATGGGATGATATT
 CACGTGGTCAACGGAGCTTTGAAGCTTTTTTCCGGGAGCTGCCACAGCCTCTGGTGCCTGCATTGTTGC
 TGCCTGACTTTCTGTGATGCCCTTGAACCTTCTGAGCCAGAGCAGTGCCTCTCCAAATCCAGAAATTA
 AGACTCGCTGCCGAGGCCAACCATGACACTCTGAAGTACATCCTGGAGCATCTGTGCAGGGTGATAGCA
 CACTCGGATAAGAACCGAATGACCGCCACAACCTGGGAATTGTGTTGGACCGACACTGTTTCGACCTG
 AGCAGGAGGCCTCTGACATGGCGGCCACGTATTCTACCCGGGCGAGCTGGTCCAGTTGATGCTCAACAA
 CTTTGCCAGCCTTCTCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207564 representing NM_146011
 Red=Cloning site Green=Tags(s)

MEQTETLTRDSSALQPQEWLDPQGLPSLSQSVPLALSEQPGALRPCSALPQLLDDPHVEERSGLLNMTK
 IAQGGKLRKNWGPAAVVLTGSSLVFYRERPPQSASLQWARAGSRPESSVDLRGAALASGRQLSSRRNV
 LHIRTVPGHFLLQSDEETELRDWHRALRTVIERLDRENPLELRLSGSGPAELAELESAGEDDELESEPV
 KSLMRLGSRRTSSRCAEGTDQKNRVRNKLKRLIAKRPTLQSLQERGLFRDQVFGCQLESQCQREGDTPVS
 FVRLCVEAVDKGLDVDGIYRVSGNLAVVQKLRFLVDRERAVTSDGRYMFPEQAGQEGKLDLDSAEWDDI
 HVVTGALKLFFRELQPQLVPALLLPDFRDALELSEPEQCLSKIQKLDLSLPRPNHDTLKYILEHLCRVIA
 HSDKNRMTAHNLGIVFGPTLFRPEQEASDMAAHVFYPGQLVQLMLNMFASLFT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_146011

ORF Size: 1419 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](#)

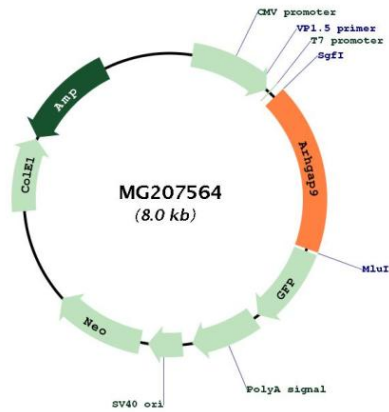
RefSeq Size: 1811 bp

RefSeq ORF: 1422 bp

Locus ID: 216445

Cytogenetics: 10 D3

Product images:



Circular map for MG207564