

Product datasheet for **RG223605**

ARHGAP9 (NM_032496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP9 (NM_032496) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARHGAP9
Synonyms:	10C; RGL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG223605 representing NM_032496
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTATCCAGCCGGTGGTGGCCAAGTTCTGGGGATCCTAGGGCTGGGCCCCGAAGCCCTCCTCGGG
 GATCCCAGCTCTGTGCCCTCTATGCCTTTACTTATACTGGGGCAGATGGCCAGCAGGTGTCTCTGGCTGA
 AGGGGATAGGTTCTACTGCTTCGAAAGACCAACTCCGACTGGTGGTTGGCAAGACGCCTAGAAGCTCCC
 TCCACCTCTCGACCCATCTTCGTCAGCAGCCTATATGATAGAGGAATCCATCCCTTCCAGAGTCCAA
 CTACCGTCATCCCGGCCAATTGCTCTGGACTCCTGGGCCGAAGTTGTTTCATGGTTCCCTGGAGGAGTT
 GTCTCAGGCCCTCCAAGCAGGGCTCAGGCTAGCTCGGAGCAGCCTCCTCCACTTCCCGCAAATGTGT
 AGGAGCGTCAGCACTGACAATCTGAGCCCCAGCTTTCTGAAGCCTTCCAGGAAGACCAAGCGGAAGAT
 CCCTCTCCAGGAAGACTTGCCGTGAGAAGCCAGTGCCAGCACAGCAGGCCCCAGCCCCATGTCAGA
 GCCCCTGTGTACTGTAACCTGGTGGACCTTCGCCGTGTCTCGGTCCCACCCAGGCCCTGCATGC
 CCCTGTGTCAGAGGCTGGATGCCTGGGAGCAGCACTGGACCCAACTCTGGACGCTGTTCTACATAA
 ATTCACTGACTGGCTGCAAGTCCTGGAAGCCCCGCGCCGAGTCGCAGCGAGACGAACCTGGCTCCAT
 GGAGGGGACACAGACCCTGAAGAGGAACAATGATGTCCTGCAACCTCAGGCAAAGGGCTTCAGATCTGAC
 ACAGGGACCCAGAACCCTTGACCCACAGGGTCACTCAGCCTCAGCCAAACGCACCTCGCAGCTTGACC
 CTCCAGCCTTGACAGGCCCTCGACTCTGCCGAGCTCCTGGACGACCCCATGAGGTGGAAAAGTCGGG
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 CAGCGGGTAGCCGGCCGAAAGTAGCGTGGACCTGCGCGGGCGGCCCTGGCGCACGGCCGCCACCTGTC
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 CCCAGAACAGCCAGGACAAGAAGGTCGGTTAGATTTGGACAGTACTGAGTGGGATGACATTCATGTGGTC
 ACCGGAGCCCTGAAGCTTTTCTCCGGGAGCTGCCCCAGCCTCTGGTGCCACCACTGCTGCTGCCCCATT
 TCCGTGCTGCCCTTGACTCTCCGAATCAGAGCAGTGCCTCTCTCAGATAACAAGAATTAATAGGCTCAAT
 GCCAAAGCCCAACCATGACACTCTACGGTACCTCCTGGAGCATTTATGCAGGGTATAGCACACTCAGAT
 AAGAATCGCATGACACCCCAACCTGGGAATTGTGTTGGACCAACCTGTTTCGGCCAGAGCAGGAGA
 CATCTGACCCAGCAGCCATGCTCTCTACCCAGGGCAGCTGGTCCAGCTGATGCTACCAACTTCACCAG
 CCTTTCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223605 representing NM_032496
Red=Cloning site Green=Tags(s)

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MLSSRWVSSWGILGLGPRSPRGSQLCALYAFTYTGADGQQVSLAEGDRFLLLRTNSDWLARRLEAP
STSRPIFVPAAYMIEESIPSPQPTTVIPGQLLWTPGPKLFHGSLEELSQUALPSRAQASSEQPPLPRKMC
RSVSTDNLSPSFLKPFQEGPSGRSLSQEDLPSEASASTAGPQPLMSEPPVYCNLVDLRRCPSPPPGPAC
PLLQRLDAWEQHLDPNNGRCFYINSLTGCKSWKPPRRSRSETNPGSMEGTQTLKRNDVLPQAKGFRSD
TGTPEPLDPQGSLSLQRTSQLDPPALQAPRPLQLLDDPHEVEKSGLLNMTKIAQGGKRLRKNWGPSWV
VLTGNSLVFYREPPPTAPSSGWGPAGSRPESSVDLGAALAHGRHLSSRRNVLHIRTIPGHEFLQSDHE
TELRAWHRALRTVIERLVRWVEARREAPTGRDQSGDRENPLELRLSGSGPAELSADEEEEESELVSKP
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LCIAAVDKRGLDVGDIYRVSGNLAVVQKLRFLVDRERAVTSDGRYVFPEQPGQEGRLDLSTEWDDIHVV
TGALKLFLRELQPPLVPPLLLPHFRAALALSESEQLSQIQELIGSMPKPNHDTLRYLLEHLCRVIAHSD
KNRMTPHNLGIVFGPTLFRPEQETSDPAHALYPGQLVQLMLTNFTSLFP
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032496

ORF Size: 2250 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_032496.1](#), [NP_115885.1](#)

RefSeq Size: 2937 bp

RefSeq ORF: 2196 bp

Locus ID: 64333

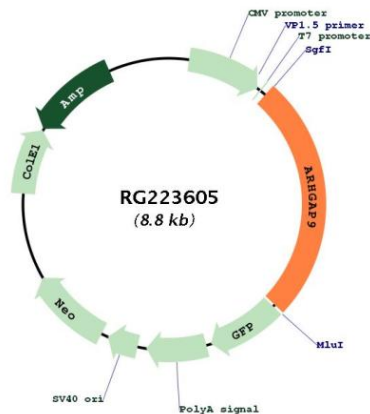
UniProt ID: [Q9BRR9](#)

Cytogenetics: 12q13.3

Domains: RhoGAP, SH3, PH

Gene Summary: This gene encodes a member of the Rho-GAP family of GTPase activating proteins. The protein has substantial GAP activity towards several Rho-family GTPases in vitro, converting them to an inactive GDP-bound state. It is implicated in regulating adhesion of hematopoietic cells to the extracellular matrix. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG223605