

Product datasheet for **RG222813**

ARHGAP9 (NM_001080156) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP9 (NM_001080156) 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:

>RG222813 representing NM_001080156
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCAGAGCCCCCTGTGTACTGTAACCTGGTGGACCTTCGCCGCTGTCTCGGTCCCCACCCCCAGGCC
 CTGCATGCCCCCTGCTGCAGAGGCTGGATGCCTGGGAGCAGCACCTGGACCCCAACTCTGGACGCTGCTT
 CTACATAAATTCAGTACTGCTGCAAGTCTGGAAGCCCCCGCCGCGAGTCGACGAGACGAACCTT
 GGCTCCATGGAGGGGACACAGACCTGAAGAGGAACAATGATGCTCTGCAACCTCAGGCAAGGGCTTCA
 GATCTGACACAGGGACCCAGAACCCTTGACCCACAGGGTTCAGTACGCTCAGCCAACGCACCTCGCA
 GCTTGACCCTCCAGCCTTGACAGGCCCTCGACCTCTGCCGAGCTCCTGGACGACCCCATGAGGTGGAA
 AAGTCGGGTCTGCTCAACATGACCAAGATTGCCAAGGGGGCGCAAGCTCAGGAAGAACTGGGGCCCGT
 CTTGGGTGGTGTAAACGGGTAAACAGCCTGGTGTCTACCGAGAGCCACCGCCGACAGCGCCCTCCTCAGG
 CTGGGGACAGCGGTAGCCGGCCGAAAGTAGCGTGGACCTGCGCGGGCGGCCCTGGCGACGCGCCG
 CACCTGTCCAGCCGCGCAACGTCTGCACATCCGCACGATCCCTGGCCACGAGTTCCTGCTGCAGTCGG
 ACCACGAGACAGAGCTGCGAGCCTGGCACC GCGCTGCGGACTGTATCGAGCGCTGGATCGGGAGAA
 CCCCCTGGAGCTGCGTCTGTGCGGCTCTGGACCCGCGAGCTGAGCGCCGGGAGGACGAAGAAGAGGAG
 TCGGAGCTGGTGTCCAAGCCGCTGCTGCGCCTCAGCAGCCGCGGAGCTCCATTCGGGGGCCGAAGGCA
 CCGAGCAGAACC GCGTGC GCAACAACTAAAGCGGCTCATCGGAAGAGACCGCCCTTACAAAGCCTGCA
 GGAGCGGGGTCTGCTCCGAGACCAAGTGTTCGGCTGCCAGTTGGAATCACTCTGCCAGCGGAAGGAGAC
 ACGGTGCCAGCTTTTTCGGCTCTGCATTGCTGCTGTGGATAAAAGAGGTCTAGATGTGGATGGCATT
 ATCGGGTGAGCGGGAAC TTGGCAGTGGTCCAGAAGCTTCGCTTTCTGGTGACAGAGAGCGTGC GGTCAC
 CTCGATGGGAGGTATGTGTTCCAGAACAGCCAGGACAAGAAGGTGCGTTAGATTGGACAGTACTGAG
 TGGGATGACATTCATGTGGTCACCGAGCCCTGAAGCTTTTCTCCGGGAGCTGCCCCAGCCTCTGGTGC
 CACCACTGCTGCTGCCCCATTTCCGTGCTGCCCTTGCACTCTCCGAATCAGAGCAGTGCCTCTCTCAGAT
 ACAAGAATTAATAGGCTCAATGCCAAAGCCCAACCATGACACTCTACGGTACCTCCTGGAGCATTATGC
 AGGGTGATAGCACTCAGATAAGAATCGCATGACACCCACAACCTGGGAATTGTGTTGGACCAACCC
 TGTTTCGGCCAGAGCAGGAGACATCTGACCCAGCAGCCCATGCTCTCTACCCAGGCAGCTGGTCCAGCT
 GATGCTACCAACTTCACCAAGCTCTTCCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG222813 representing NM_001080156
 Red=Cloning site Green=Tags(s)

MSEPPVYCNLVDLRRCPSPPPGPACPLLQRLDAWEQHLDPNSGRCFYINSLTGCKSWKPPRRSRSETNP
 GSMEGTQTLKRNDVLPQAKGFRSDTGTPEPLDPQGSLSLSQRTSQLDPPALQAPRPLPQLLDDPHEVE
 KSGLLNMTKIAQGGRKLKKNWGPSWVVL TGNSLVFYREPPPTAPSSGWGPAGSRPESSVDLRGAALAHGR
 HLSSRRNVLHIRTIPGHEFLQSDHETELRAWHRALRTVIERLDRENPLELRLSGSGPAEL SAGEDEEEE
 SELVSKPLLRLSSRRSSIRGPEGTEQNRVRNKLKRLIAKRPPQLSLQERGLLRDQVFGCQLES LCQREGD
 TVPSFLRLCIAAVDKRGLDVGDIYRVSGNLAVVQKL RFLVDRERAVTSDGRYVFPEQPGQEGRDLDDSTE
 WDDIHVVTGALKLFLRELPOPLVPPLLLPHFRAALALSESEQLSQIQELIGSMPKPNHDTLRYLLEHLC
 RVIAHSDKNRMTPHNLGIVFGPTLFRPEQETSDPAAHALYPGQLVQLMLTNFTSLFP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001080156

ORF Size: 1641 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_001080156.3](#)

RefSeq Size: 2102 bp

RefSeq ORF: 1644 bp

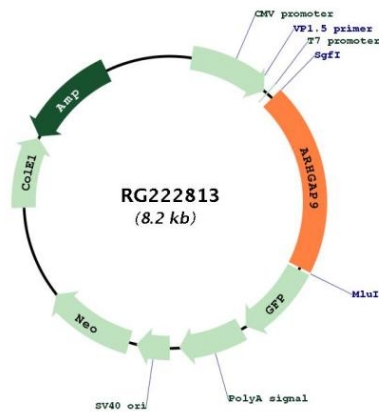
Locus ID: 64333

UniProt ID: [Q9BRR9](#)

Cytogenetics: 12q13.3

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 RG222813