

Product datasheet for **MG222983**

Arhgap1 (NM_146124) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgap1 (NM_146124) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arhgap1
Synonyms: B230365D05Rik; C76222; Cdc42GAP; p50rhoGAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222983 representing NM_146124
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCTCTCAGAGCTGCAAGATGACCTGACGCTGGATGACACCAGCCAAGCTCTGAACCAGTTGA
AGCTGGCTCCATTGATGAGAAGAACTGGCCTTCTGATGAAATGCCAGACTTCCCCAAGTCAGATGACTC
CAAAGCAGCTCTCCAGAACCTGTGACACACCTGAAGTGGGATGACCCTACTATGACATTGCCCGGCAC
CAGATTGTGGAAGTAGCCGGTATGATAAGTATGGCGGAAGATCATTGTATTAGTCTTCCCGGATGC
CCCCAGCCAGCTGGACCACAGCAAGCTCTGGGGTATTTGAAACACACATTGGACCAGTATGTGGA
GAGTGACTACACTCCTGTACCTGCACCATGGCCTGACCAGTGACAACAAGCCCTCCCTCAGCTGGCTA
CGGGATGCCTACCGAGAGTTTGACCGCAAGTACAAGAAGAATCAAGGCTCTGTACATCGTGACCCAA
CCATGTTTCATCAAACTCTGCTTATCCTCTTAAAGCCTCTCATCAGTTTCAAGTTTGACCGGAAGATCTT
CTACGTGAATTACCTGAGTGAGCTGAGCGAGCAGTGAAGCTGGAGCAGTTGGGGATCCCTCGCCAAAGT
CTCAAGTATGATGACTTCCTCAAATCCACACAGAAAAGCCCTGCAACAGCTCCCAAGCCCATGCCACCAC
GGCCCCCTGCCAATCAGCAGTTTGGGGTCTCCTTACAGCACCTCCAGGAGAAAAGCCAGGCCAGGA
CCCCATTCCCATTGTCTCAGGGAGACCGTCCGCTACTGCAGGCTCACGCTCTCACCAGTGGGGCATC
TTCCGGAGGTCTGCCAACACCCAGGTTGTCCGGGAAGTGCAGCAGAAATACAATATGGGGCTGCCGGTGG
ACTTTGACCAGTACAACGAGCTGCACTTGCCCGCTGTCATCCTCAAGACATTCTTCGGGAGCTTCCTGA
ACCCTTGTAACCTTTGACCTGTACCCCATGTTGTGGGCTTCCTCAATATTGATGAAAGCCAGAGAGTG
GAAGTGACACAGCAGGTTCTCCAACTCTGCCAGAGGAGAACTACCAGGTGCTTCATTTCTGACTGCCT
TCCTGGTGCAGATATCTGCCACTGTGACCAGAACAGATGACCAACACTAAGTTGGCTGTAGTCTTCGG
CCCTAACCTGCTCGGGCTAAAGATGCTGCCATCACCCCTCAAGGCTATCAATCCCATCAACACCTTCACT
AAGTTCCTCCTGGATCATCAAGGGAATTGTTCCCGAGCAGATGCCAGGGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_146124.4](#), [NP_666236.3](#)

RefSeq Size: 3113 bp

RefSeq ORF: 1320 bp

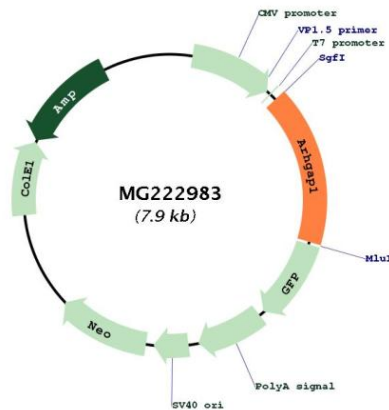
Locus ID: 228359

UniProt ID: [Q5FWK3](#)

Cytogenetics: 2 E1

Gene Summary: GTPase activator for the Rho, Rac and Cdc42 proteins, converting them to the putatively inactive GDP-bound state. Cdc42 seems to be the preferred substrate (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222983