

## Product datasheet for **MG217195**

### Arhgap15 (NM\_153820) Mouse Tagged ORF Clone

#### Product data:

|                           |                                             |
|---------------------------|---------------------------------------------|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | Arhgap15 (NM_153820) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                    |
| Symbol:                   | Arhgap15                                    |
| Synonyms:                 | 5830480G12Rik                               |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>MG217195 representing NM\_153820  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGAAAAGGACAAGCTGCAGTGTGCAGACATCTACAACTGTGACAACCTCTCTGAAAATACTGAATT  
 CTGCCACCAAGCTACAGGAGCTGTGCAATGAGAATCAAAAATGCCAACAGCCACCAAGACAGGCAGAG  
 CCAAACTAAATCCATGATCCTCACCGATGCTGGGAAGGTCAGTGAACCTATTTCCCGGCACAGAAGGAAT  
 CATTACAGCATGTGTTGAAAGATGTCATTCCACCACTAGAACATCCAATGGTTGAAAAAGAAGGGTATC  
 TTCAAAAAGCCAAAATTGCAGATGGAGGAAAGAACTAAGGAAAACTGGTCTACTTCTGGATTGTTCT  
 TTCTGGTCGAAAAATTGAATTTTACAAAGACTCCAAGCAGCAAGCTCTTCTAACATGAAAACCAGGCAC  
 AACGTGGAAGTGTGGATTTGTGTGGTGCACATATAGAATGGGCCAAAGAAAAATCAAGCAGAAAGAGTG  
 TCTTTAGATCACAACAGTGTGAGGAAATGAGTTCCTTCTACAGTCAGATATTGACTTCTCATATTGGA  
 TTGGTTCCAAGCTATCAAAAATGCAATTGACAGATTGCCAAAGAATCCAAGTTGTGGTCCCTGGAGTTG  
 TTCAATTTGCAGAGATCCTCAAGTTCTGAACTGCCGAGTCACTGCCACATCGATAGAAAAGAACAGAAAC  
 CAGAACACAGGAAGTCTTCATGTTTCCGACTGCACCACAGTGCTTCTGATACAAGTGACAAGAATCGCGT  
 GAAGAGCAGACTGAAGAAGTTCATCTCCAGAAGACCTTCTCTGAAAACCTTGCAGGAAAAGGGACTCATT  
 AAAGATCAAAATTTTGGCTCTCATCTGCACACAGTGTGTGAACGAGAACATTCCACAGTTCATGGTTTG  
 TAAAGCAATGCATTGAAGCTGTTGAAAAAGAGGCCTAGACGTTGATGGAATTTATCGAGTTAGTGGCAA  
 TCTTGAACAATACAGAAGTTAAGATTTATTGTCAACCAAGAAGAGAAGCTGAATTTGGATGACAGCCAG  
 TGGGAGGACATCCACGTGTCACCGGAGCACTGAAGATGTTTTCCGGGAGCTGTCTGAACCGCTCTTCC  
 CTTACAGTTTCTTTGAGCGGTTTGTGGAGCGATCAAAAAACAAGACAGCAATGAAAAAATTGAAACTAT  
 GAGGTCTCTGGTAAAACGTCTCCCTCCACCAAAATCATGATACCATGAAAAATCCTCTTCAGACATCTAAC  
 AAGATAGTGGCCAAAGCCTCCAGAATCTCATGTCCACCCAAAGCTTGGGGATTGTGTTGGACCCACCC  
 TTCTGCGAGCGGAAAATGAGTCAGGGAATGTAGCGGTCCACATGGTATACCAAAACCAGATAGCAGAGTT  
 CATGCTGACTGAGTACGATAAGATCTTCAGCTCAGAGGAAGAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217195 representing NM\_153820  
 Red=Cloning site Green=Tags(s)

MEKRTSCSVQSTNCDNSLEILNSAHQATGAVQMRKNANSHQDRQSQTSMILTDAGKVTEPISRHRN  
 HSQHVLKDVIPPLEHPMVEKEGYLQKAKIADGGKLRKNWSTSWIVLSGRKIEFYKDSKQALPNMKTRH  
 NVESVDLCGAHIEWAKEKSSRKSVMFQITTVSGNEFLLQSDIDFLILDWFOAIKNAIDRLPKNPSCGSLEL  
 FNLQRSSSELPSHCIDRKEQKPEHRKSFMRLLHHSASDTSKDNRVKSRLKFISSRPSLKTLEKGLI  
 KDQIFGSHLHTVCEREHSTVPWFVKQCI EAVEKRGLDVDGIYRVSGNLATIQLRFIVNQEEKLNLDSDQ  
 WEDIHVVTGALKMFFRELSEPLFPYSFFERFVEAIKKQDSNEKIETMRSLVKRLPPPHDNTMKILFRHLT  
 KIVAKASQNLMSLQSLGIVFGPTLLRAENESGNVAVHVMVYQNI AEFMLTEYDKIFSSEED

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

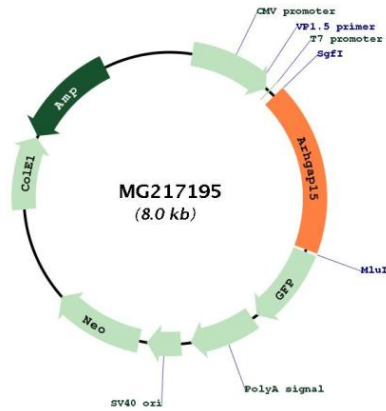
Sgfl-MluI



**Cytogenetics:** 2 B

**Gene Summary:** The protein encoded by this gene is a RAC GTPase-activating protein that is regulated through its PH domain and by recruitment to the membrane. The protein accelerates hydrolysis of guanosine triphosphate to guanosine diphosphate to repress Rac activity. Knock-out of Arhgap15 function demonstrates that this gene is required to regulate multiple functions in macrophages and neutrophils. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]

**Product images:**



Circular map for MG217195