

## Product datasheet for **MC200353**

### Arfgap3 (NM\_025445) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arfgap3 (NM_025445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arfgap3
Synonyms:	0610009H19Rik; 1810004P07Rik; 1810035F16Rik; 9130416J18Rik; Arfgap1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC004081 sequence for NM\_025445  
 GTCGGGGACTGCTTCACCTCAGTTCTCAGTGACTATGGGGGACCCAGCAAGCAGGACATCCTGGCCATC  
 TTCAAGCGCCTGCGCTCGGTGCCACTAACAAGGTGTGTTTTGACTGTGGTGCCAAAAATCCCAGCTGGG  
 CCAGCATAAGCTATGGGGTGTCTCTGCTGACTGCTCTGGATCACACCGGTGCTCGGGGTTCACTT  
 GAGTTTTATTTCGGTCCACAGAGCTGGATTCAAACCTGGTCGTGGTCCAGCTTCGATGCATGCAAGTTGGA  
 GGAACCTCAAATGCTTCTTCTTCTTCCACCAACATGGGTGTGCCACCAAGGACACCAACGCCAAGTACA  
 ACAGCCGTGCGGCTCAGCTCTACAGGGAGAAGATCAAGACTCTGGCCACCCAGGCCACCCGAGGCACGG  
 CACCGATCTGTGGCTGGACAGCTGTGCGGCTCCACCTGTGTCCCTCCTCCAAAGGAGGAAGATTTTTTT  
 GCTTCTCACGCTCTCTGGAGGTCAGTGGTGTATGCAGGCATCCGCACAGCCAGAGTCAGCCTCTTCAA  
 CACCGTGGGGCTTGAAACCACTCCAGAAAAACATGAAGGTGGGCCAGGACAAGGCCAAGCGTGGAAAGG  
 TCTGAACACCCCTGAAAGGCTGCACCAGAGGTTTCATCGATTATAAAAAAGAAGCCAAATCAAGCAAAA  
 AAAGGACTTGAGCCAAAAAGGAAGCTTGGGAGCCAGAACTGACAAATACATCCTTCACTGAGATCG  
 AAAAGCAAGCTCAGGCTGTGGATAAGAGGAAGGAGCAGGAAGACCTTGCCAGGGGTGCCAAAGGAGGA  
 GTCTATTGTTTCGCTCTTGCAGTGGCCTACAAGGATCTGAAATCAGCAGGAAGAAAGATGAAAGACTG  
 AACCTGAGTGGCCAGAAGAAGGTGGAAGCCGAGCGGCTGGGCATGGGCTTTGGAAGCTGCAGGAGTGGCA  
 TCTCCACTCGGTGACTTCAGACATGCAGACCATTGAGCAGGAGTCGCCACACTGGCAAAGCCGAGGAG  
 GAAGTACCAGGAGGCCAGAGGACTCGTACTTCACTCCAGCTCCAAGTGGTCTGAGCAGAGCAGCAGC  
 AGGTACTTTGACGACCCCATGGAGTTAAGAAGCAGCTCCTTCTCTAGCTGGGATGATGGTCCGATTCTT  
 ACTGGAAGAAAGACAGCAGCAGAGACCCCGAGCCTGCCATGAGAAGCACCAGGCTCTTTCAGACAGGCCAG  
 TGCTCGCCGGAAGCCAGAATATGAGCCATTGGCAGCACAGATGAAGCCAGAAAGTTTGGCAACGTC  
 AAGGCCATCTCTTTCAGACATGACTTTGGAATTAAGCCAGACAGATTTTGAACCCGGGCGCGGCTGG  
 AGAGGCTCTCCACCAGCTCCTCCATAAGCTCTGCAGACCTTTTTGATGAGCAGAGGAAGCAGACTGCAGG  
 AAATAACAACCTTTCCAATGTGCTGCCAATGCCCCAGACATGGCCAGTTCAAGCAAGGTGTGCGCTCC  
 GTTGTGGAACCTTTCCGCTCTTCGCCAATGGGGTCATGACGTCCATTTCAGGATCGCTACGCTTCTAAT  
 CCTGGTGCAGGCTGTCCAACCTGGTAAAACTCCACTTCAAGTGGACCTGAGACCACATCTGGCTGCGCC  
 AATGCCCCAGCTGCTTTGTGGGAGGCTCTACTAGTTGGCGAGGCACCTGCACATTTCTGAGTGTCCATG  
 TTTCTTTGAGACATCCCCATTTCTATGTAGGTGGGATTTTGTCTTCTGATTTAAATTAGCTCCT  
 TGTGCTCTTCTTATCTTTGGGCATCTTTAGTTCCAAGAACTGGAAGCCAGAGCTGCAGGCTCCTCCC  
 ACCTCTCTCCAGGCTGGTGTGACTGGGCCCGAAATCAATCCCCAGCACTTACTTCTCACTGCAAAGGA  
 GCAAAACAACAAAACAGCAAGACCAGAAGTGCCAGCCCCTTGCTGACAGATTGCTTCGTGTGTGCC  
 CACACAACACACTTAAAGCCATCTGTACTCTGTAAGTTATTTGTACATTCTACTCTTAAAAGTG  
 TCCCCAGTCAGTTCTTTAACAGACCTGAGCTTCTATGATGCCAAGGGGTTCACTGCGACCTGGGAGT  
 AAACAGGGTGTGCTGCCTGTGAGAGGAAGATGGGGCCACCCAGGGCTCCCAATGCACTCGGAAGTCA  
 GCAGTACCAGGAGCTCAGGCTGAGAAGGACAGCAGTGGGCTTCAGGACGAAGCTCAGCCAGGGAGAGGG  
 CGATTATAATTGGGTAGTTTTGTAAATATTTTTTATCTTGTCTTGTATTTCCAAAAGTTACAGGATAG  
 ATGTAATCAATAAAGTCATTTGGCTGTGTTTTAGACAGCTCCAGAATATATTGTTACAGCGCAGTAAAT  
 ATATTTGGAATTTGATGAACCAAAATGTATTTCAGATGACTATTTTGTGACTTCTTAAAAGGTCTGA  
 TTTGTAGACTTCTAAATATAACACACAGCACAGCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_025445

**Insert Size:** 1575 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [BC004081](#), [AAH04081](#)

**RefSeq Size:** 2573 bp

**RefSeq ORF:** 1575 bp

**Locus ID:** 66251

**UniProt ID:** [Q9D8S3](#)

**Cytogenetics:** 15 E1

**Gene Summary:** GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.