

## Product datasheet for **MC218430**

### Arhgef3 (BC005517) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef3 (BC005517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef3
Synonyms:	1200004I24Rik; 9830169H03Rik; C76747; Xpln
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC005517  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCCAAGGATTACCCCTTCTACCTCACTGTCAAGAGGGCAAACCTGCAGCTTGAGGCGCCCTGG  
 GCAGCGGGTGGCCAAGGACGAGGAACCTAGTAACAAAAGGGTCAAACCCCTTCCAGAGTCACATCGCT  
 AGCAAACCTCATTCCACCTGTGAAGACCACACCATTAAAGCGCTTCAGCCAGACCTTGCAGCGGTCCATC  
 AGCTTCCGCAGCGAGAGCCGCCGACATCCTTCCCCCGAGCTTGGTCCAGAAATGCCACCTCCTCAA  
 GCACAAAGCGGAGAGACAGCAAACCTGTGGAGTGAGACCTTCGATGTGTGTGCAATCAGGTGCTCACGGC  
 CAAGGAGATCAAGAGACAGGAGCGATCTTTGAACTTTCTCAAGGTGAAGAAGACTTGATAGAGGACTTG  
 AAATTAGCAAAAAGGCCTACCACGACCCCATGCTGAACTCTCCATAATGACGGAACAGGAACTGAATC  
 AGATTTTTGGGACCTGGACTCTAATTCCTCCATGAAGAGCTCCTCAGTCAGCTTCGAGATGTTCCG  
 GAAACCCGATGGCTCGACTGAGCAGTTGGTCCCATCCTCGTGGGCTGGCTGCCCTGTCTCAGCTCCTAC  
 GACAGCTACTGCAGCAATCAAGTCGCCGCCAAAGCCCTGCTGGACCACAAAAGCAGGACCACAGAGTGC  
 AGGACTTCCTCCAGCGCTGTTTGAATCACCTTCAGTCGAAAACCTCGATCTCTGGAATTCCTTGATAT  
 TCCCCGGAGCCGGCTAGTGAAGTATCCTCTGCTCCTTCGAGAAATCCTGAGGCATACACCAAATGATAAC  
 CCAGACCAGCAGCACCTGGAAGAAGCTATAAACATCATCCAGGGAATTGTGGCAGAAATCAACACCAAGA  
 CTGGGGAAATCGGAATGCCGCTATTACAAAGAGCGGCTCCTTTACCTGGAAGAAGGCCAGAAAAGATTCTCT  
 GATTGACAGCTCAAGGGTCTGTGTTGTCATGGAGAGCTGAAAAATAACCGGGGTGTGAACTCCATGTT  
 TTCTGTTCCTCAAGAAGTCTGGTGTACCCGAGCTATCACTCACAACGAGCAGCTCTGCTATCAGTTGT  
 ACCGGCAGCCCATCCCTGTGAAGGACCTCACGCTGGAAGACCTGCAGGATGGAGAAGTCCGCTGGGTGG  
 CTCCTCGCGGGGCTTCAGCAACAACGAGAGAGTTAAAAACTTCTTCAGAGTCAGTTTCAAAAATGGA  
 TCCCAAAGTCAGACCCACTCACTACAAGCCAACGACACCTTCAACAAAACAGCAGTGGCTCAACTGTATCC  
 GTCAGGCAAAAAGAACTGTTCTGTCTGCTGCCGCCAGGCTGGCTTGCTTACTCTGAGGGACTGGTCCA  
 GGGTCCCAGCACTGAGAACAGGGAGCCACAGGGAGAAAACAAAACCTTGAGCAGATGGACCAATCGGACAGC  
 GAGTCGGACTGCAGTATGGACACCAGTGGGTGAGCCTTGGTGTGAGCGGATGGAACAGACAGACGCTT  
 CCTGTGCAAACAGCAGGCCCGAGGAGAGTGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** BC005517
- 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:** [BC005517](#), [AAH05517](#)

**RefSeq Size:** 3628 bp

**RefSeq ORF:** 1574 bp

**Locus ID:** 71704

**Cytogenetics:** 14 16.09 cM

**Gene Summary:** Acts as guanine nucleotide exchange factor (GEF) for RhoA and RhoB GTPases.  
[UniProtKB/Swiss-Prot Function]