

## Product datasheet for **MC221729**

### Arhgef19 (NM\_172520) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef19 (NM_172520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef19
Synonyms:	6030432F23; 6430573B13Rik; WGEF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221729 representing NM\_172520  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTGTGGGCCACCTGCAACCTCCAGCCTCACTTGCTGGACCACCTGGCACCCCGCTGCCCCAG  
 TAGCTGTGTGCCAGCAGGAGAGCCTGTCTTCGTGGAGCTGCCTCCGAGCCGACTGTGTGGATCTCTT  
 TCCATTGCTCCAGAGGAGCTGCAAGCTCCCGGTAGCCGCTGGTCCCTGGCAACCCTGCCCTCTCCAA  
 GGACTGTTATGGCCGACGTCCCCAGGAGGCCAGATACCCATATCGCCTCCACCAGTGGAGGAATGAGAC  
 CCGGCAGGGCTGGCAGCTGGCCTCACTGTCTGGTGGCCAGCCCCAACTCTGGTGAACCGTGGAGTTC  
 TCAGCACATGCAGCCCCAACGCAGGGCCAGCCACAGTGGCTCAGAGAAGTCAGCCTGGCGCAAGATGCAG  
 GTGTATCATAACGAAGAGGCCACCGGCACCGAGACCCCTACGGCCCTTCTGGAGACTGGCCAGGCTGCGC  
 AAGAGCAGGCTCTGTGTCTCTAGAGCCCGGGCCAGGAGCTTCTGGGAACGCCAGAGGGGGCTTGA  
 GGCACCGAGCGAAGGCTTTCTCGGCCTCAGAGCTGATGACTAGGCTGCATTCTCTCGCCTGGGG  
 CGCAGCACTGCCACCAGGTTCTGACCTCGGGCTCAGGTGCTGGAGCCATCCGGGAAGGAACTGCCCG  
 TGAGGGAATCCCGAAGAGCCGAGACAAGGGCGGACAGTGTGTCGTTCCAGGACCCGTCGATCTAAACGA  
 GGTCCACGGTGGTCTGGTGAACCCAGGCTGGACACGCAAGACAAGCCGACTCAGGATCCAGCAGCGCC  
 ACTGAGAGGCGCCAGTCCCGTTCCTCCTTAATTCTGTCTCTACCAGGAGTACAGCGACTGGCCAGCG  
 CGCGCGAGTTGCGGCGGCAGCAGCTGAGGAGGAGGGCCCCGGGACGGAGCGGAGGGCGCGGAGGAGG  
 GCCCGGCCACCAGCGCCCAACCTCTCCCGAGCAGCTTTTCCGCGCAACGCTCGACGCGGGCTCC  
 ACCTTCTCGCTGTGGCAGGACATCCCGACGTGCGCGCAGTGGCTCCTGGCCACGCTGAGCCTGCGCG  
 AGCAAGCTGCAGGAGGCAAAATTTGAGCTGATTACCTCGGAGGCCCTACATCCATAGCCTGTCTGGT  
 GGCCGTGGTCACTTCTTAGGTTCCGTGGAGCTGAGCGAGTGTCTGGGGACTCAGGACAAGCAGTGGCTA  
 TTTTCAAAGTGCCCGAGGTCAAGAGCACAGTGAAGGTTCTTACAGCCTGGAGCAGCTCTAGAGG  
 CCGATGTGCTGCGCTTACGCTGTGCGATGTGGTTCTACACCATGCCCCGATTCCGCCGAGTCTACCT  
 GCCTTACGTACCAACCAGGCTACCAGGAGCGCACCTACCAGCGCTGCTCCTAGAGAACCCCAAGTTC  
 CCCGGCATCCTGGCTCGCTAGAGGAGTCTCTGTGTGCCAGCGGCTGCCTCTCACCTCCTTCTCATCT  
 TACCGTCCAGAGGTTACCCGCTCAAGATGCTGGTAGAGAACATTTTGAAGCGGACAGCACCGGGCTC  
 CCAAGATGAGGACATGGCCCAAGGCTTACGCGCTCTAAAGGAGCTGGTGCAGGAGTGAACCGGAGC  
 GTGAGTCCATGAAGCGGACGGAGAACTAATTCACCTAAGCAAGAAGATCCATTTTGAAGGCAAGATCT  
 TCCCGCTGATCTACAGGCCCGCTGGCTGGTCCGACAGGGGAGCTGGTGGAGTTGGCCCCCTGCCCGC  
 CGCACCGCCAGCCAAACTGAAGCTGTCCAGCAAGGCCGTGACCTTACCTCTTCAATGACTGCCTGCTG  
 CTGTCCCGGAGGAAGGAGCTCGGGAAGTTTGGCGTTTTTGTCCATGCCAACATGGCTGAGCTACAGGTT  
 GAGACCTCAGCCTGAAGCTCCAGGGCATCCAGGCCATGTGTTCTGCTCAGGCTGCTGCACGGGACGG  
 CGCCAGGACACAGCTGCTGCTGAGAGCACGGACCGAAAGTGAGAAGCAACGGTGGATTTACGCTTGAGA  
 CCATCCAGCCCCAGGAGGACAAGGAGATCACATGTGATGGGGAAGACCGACCCAGGTCAGTGTGTGA  
 GGACCTACAAGGCCCTGCAGCCAGATGAACTCACCTTGAGAAGACAGACATCTGGCAGTGAAGACCAG  
 GACCAGCGATGGCTGGCTGGAGGGCGTGGCCTGGCCGATGGTGAAGAGGATGGGTGCCTCAGGCCAT  
 GTGGTGGAGATCAGCAGCCTCAGCGCTCGACTGCGCAACCTCAGAGAGTACAAGAGGGTCTCCAACGCCA  
 GCAGCAAGCTGGGGACCCACCTGCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_172520  
**Insert Size:** 2409 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172520.2</a> , <a href="#">NP_766108.1</a>
<b>RefSeq Size:</b>	3397 bp
<b>RefSeq ORF:</b>	2409 bp
<b>Locus ID:</b>	213649
<b>UniProt ID:</b>	<a href="#">Q8BWA8</a>
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase.[UniProtKB/Swiss-Prot Function]