

## Product datasheet for **RN214487**

### Arhgef19 (NM\_001108692) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef19 (NM_001108692) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214487 representing NM\_001108692  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGCCCGCTGTGGTACCTACCAAGTTC AAGGAGAGGTCTGGCGGTCCACCAAGACGCGCTGCTTTAG  
 AGTCGGTTCCTAAGCTGTTGTCTCTAAGGCCGCCATTTCTTTGGGTCTCCCTCTTATTTCTGCCAGACTG  
 GGCACTGCCCTTTGGCCCCAGGGGCTCTGCAGGGTCTCGTGCCAGGCTGTCACAGCACAGCCA  
 GGCAAGTGCCCGGAGGGTGGCAGAGGAAAGGAGGAATGGACTGTGGACCACCTGCAACCTCCAGCCTC  
 ACCTGGCTGGACCACCTGGCACTGCCCGTCCAGTAGCCGTGTGCCAGCAAGAGACCTGCTCTTTGT  
 GGAGCTGCCACCCTGCACCTCCAAGCCAGTGTGTGTGGACCTCTTCCATTACTCCAGAGGAGCTA  
 CAAGCCCTGGTAGCCGCTGGTCCCTGGCAGCCCTGCCCTCTCCAAGGACTGTATGGCCGACATCT  
 CAGGAGGCCAGATACCCATATCTCCACTGGAGGAATGAGGCCAGCAGGGCTGGCAGCTGGCTCA  
 CTGTCTGGTGCCAGCCCCAACTCTGGTGGGACCTGGAGTTCTCAGCATATGCAGCCCCAACGAAGG  
 GCCAGCCACGGTGGCTCAGAGAAGTCAGCTGGCGCAAGATGCAGGTGTATCATAAAGGAGGCCACAG  
 GCGGCACAGAGCCCCCATGGGCTTCTGGAGACTGGCCAGGCTGTTCAAGGGCAGGCTCTGTGTGCGCA  
 AGAGCCCCGGCCACAGGAACCTTCTGGGAACACAGAGGGGGCTTGAGGCACAGGAGAGAAGACGTTTC  
 TCGGCCTCAGAGCTGATGACTAGGCTGCATTCTCTCCGTTTGGGGCGCAGCAGGCCCTAGAGCTC  
 TGACCTCGGGCTCAGGTGCTGGAGTCACTCCGGGAAGGAACTGCCCGGGAGGGAACCCCGAAGAGCCGA  
 GACGAGGATGGACAGTGTCTCCCTGCCAGCACCGTCGATCTAAATGAGGTCCAGGTGGTCTGGTGGAG  
 CCCAGTTGGACACGAACGACAAGCCGACTCAAGATACCAACAGTGCCTGAGCGACGCCAGTCCCCTT  
 TCCTCCTAACTCTGTCTCTACCAGAGTACAGCGACTGGCCAGCGCGCGCAATGGCGCGCAACA  
 GCGCGAGGAGGAGGGCCCCGGGGACGGGGCGGAGGGCGCGGAGGAGGGGGCCCCGGGCCACCGCGCCAAC  
 CTCTCCCCGAGCAGCTCTTCCGCGCGCAGCGCTCGACGCGAGGCTCCACCTTCTCGCTGTGGCAGGACA  
 TCCCCGACGTGCGCGGCAGCGGCTCTGGCCACGCTGAGCTGCGCGACTGCAACTGCAGGAGGCCAA  
 ATTTGAGCTGATTACCTCGGAGGCTCTACATCCATAGCCTGTCCGTTGGCCGTGGGTCACTTCTTAGGT  
 TCCGTGGAGTGAGCGAGTGTCTGGGACTCAGGACAAACAGTGGCTATTTCCAACTCCCCGAGGTCA  
 AGAGCACAGTGAGAGATTTCTTACGACCTGGAACAGCGTCTGGAGGCCAGCTGCTGCGCTTACGCT  
 CTGTGATGTGGTCTGCACCACTGCCCCGCTTCCGCGGGTCTACCTGCCCTACGTACCAACCAGGCC  
 TATCAGGAGCGCACCTACCAGCGCTGCTCCTAGAGAACCCAAAGTCCCCGGCATCTGGCTCGCTTAG  
 AGGAGTCTCCTGTGTGCCAGCGCTGCCTCTCACCTATTCTCATCCTACCGTTCCAGAGGGTACCCCG  
 CCTCAAGATGCTGGTGGAGAATCTTGAAGCGCACGACACCGGGCTCCCAAGATGAGGACATGGTACC  
 AAGGCCTCAGTGCCTAAAGGAGCTGGTGCAGGAATGCAACGCAAGCGTGCAGTCCATGAAGAGGACCG  
 AGGAGCTCATTACCTGAGTAAGAAGATCCACTTCGAGGGCAAGATCTTCCCGCTGATCTCACAGGCCCG  
 CTGGCTGGTACGGCACGGGGAGCTGGTGGAGCTGGCCCCGCTGCCCGCCGACCACCAGCCAAGCTGAAG  
 CTGTCCAGCAAGGCTGTGTACCTTACCTCTTCAATGACTGCCTGCTGCTGTCCCGGAGGAAGGAGCTCG  
 GGAAGTTTGCCGTATTTGTTTCATGCCAATGGCTGAGCTACAGGTTGAGACCTCAGCTGAAGCTCCA  
 GGGCATCCCCGGCCATGATTCTGCTCAGGCTGCTGCATGGGCAGCGGCCAGGCACGCTGCTGTG  
 AGGGCACGGACAGAAAGCGAGAAGCAACGGTGGATTTCCGCTTTCGCTCCATCCAGCCCCAGGAAGACA  
 AGGAGATCACTTGTGATGGGGAAGACCGCCCCAGGTCAGTGTGTGAGGACTTACAAGGCCTGCAGCC  
 CGATGAACTGACCTTGGAGAAAACAGACATCCTAGCAGTGAAGACTAGGACCAGCGATGGCTGGCTGGAG  
 GGTGTGCGACTGGCCGATGGTGAGAAGGGTGGGTGCCTCAGGCCACGTGGAGGAGATCAGCAGCTCA  
 GCGCTCGACTGCGTAACCTCCGGGAGTACAAGAGGCTCTCAACGTCAGCAGCAAGCTGGGGACCCGCC  
 CGCTGA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108692

<b>Insert Size:</b>	2667 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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_001108692.1</a> , <a href="#">NP_001102162.1</a>
<b>RefSeq Size:</b>	3648 bp
<b>RefSeq ORF:</b>	2667 bp
<b>Locus ID:</b>	362648
<b>Cytogenetics:</b>	5q36