

## Product datasheet for **RN204115**

### Arhgef6 (NM\_001005565) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef6 (NM_001005565) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204115 representing NM\_001005565  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATCCAGAAGAACGCGTTGTGACCTGGCTTATATCTTTGGGAGTTCTAGAGTCCCCAAAAAGACCA  
 TCTGTGATCCAGAAGAGTTCTTGAAGTCTTCGCTGAAAAATGGGGTAGTGTGTGCAAACTCATAAGCAG  
 ACTTCTGCCTGGCTCGGTGGAGAAGTATTGTCAGGAACCCCAAAGTGGAGCCGACTGCATCGACAACATC  
 AATGACTTCTGAAAGGATGTGCAACCCCTCAAGTGGAAAGTGTGGAGCCTGATGACCTCTATTCTGGGG  
 CCAATTTCTCCAAGGTTCTGAATACCCTTCTAGCTGTCAACAAAGCGACAGAAGATCAGCTATCAGAAAG  
 ACCATGTGGACGGTCTCTTCTTCTAGTGTACGACCAGCTCTCAGACAAACCCACAGGCAGCCGTTCCC  
 AGCACAACCTCCAGAGCAGCAAAGCGAGGAAAAGGCAGCGGAGATGACGGAAAAATGGAAGTACCAGTTGA  
 TAGTAAAGGCAAGATTCAACTTCAAGCAGACCAATGAAGATGAATTGTCAGTGTGTAAGGGGACATCAT  
 TTATGTCACTCGAGTTGAAGAAGGAGGCTGGTGGGAAGGCACATTAATGGGAGAACCGGATGGTCCCT  
 AGTAATTATGTTCCGAGAAATTAACCCAGTGGAGACCTCTGTCCCTAAGGCTGTCAAAGGATTTGACA  
 CTGCTCCACTTACCAAGAATTACTACACTGTGGTGTACAGAACATCTTGGACACTGAAAAAGAATATGC  
 CAAAGAACTTCAGTCTCTTCTTGTACTTACCTAAGACCTTTCGAGTCTAATAACAACCTGAGTACTGTG  
 GAGTTTACATGCTTATTGGGAACTTTGAAGAAGTATGCACATTTCAACAGACACTCTGCCAAGCCCTGG  
 AAGAATGCTCAAAGTCTCCAGAAAACAGCACAAAGTAGGAGGCTGCCTACTGAACCTCATGCCTCATT  
 TAAATCGATGTACCTGGCTTACTGTGCAAAATCATCCTTCAGCTGTCAACGTGCTCACCCAGCATAGTGAT  
 GATCTAGAACGATTCATGGAAAATCAAGGTGCATCCAGCCCCGGTATCCTCATTTTAACAAACAAGTCTCA  
 GCAAACATTCATGCGACTGGAAAAGTATGTTACTCTTGAAGAAGTGGAAAGGCATATGGAGGACAC  
 TCATCCAGATCATCAGGATATTCTGAAAGCTATCATAGCATTCAAAGCCCTCATGGGGCAGTGCCAAGAT  
 CTGAGAAAGAGAAAGCAGCTGGAATTGCAGATCCTTTCGGAACCTATTCAGGCATGGGAAGGAGATGATA  
 TTAAGACTTTGGGAAATGTGATCTTTATGTCAAGTAGTGATGCAGCATGGAGCCTGTGAGGAAAAAGA  
 GGAACGATATTTTCTGCTCTTTCAAGTGTCTTGATCATGTTGTCTGCAAGTCCGCGGATGAGTGCTTT  
 ATGATACAGGAAAGGTACCAATAGCAGGGATGGTCGTGACCAGATTGGATGAAATTGAAGGAAATGACT  
 GTACATTCGAAATCACCGGTAGCACGGTAGAGAGAATTGTGGTCCACTGCAACAATAACCCAGGACTTCCA  
 GGAGTGGATGGAGCAGCTGAACAGACTGACCAAAGGACCAGCCTCCTGCAGTTCATTGTCTAAGACCTCC  
 TCATCATCATGTAGTACTCATTCTTTTAGCTCTACCGGACAGCCCCGAGGACCTTGGAGCCTCCTC  
 AAATTATAAAAACCGTGGAGTTAAGTTGCCTACGACCTGCACCTCCACTTAGACCATCAGCAGCACTAGG  
 TTATAAAGAGAGGATGTCTTATATCTTAAAGGAATCTAGTAAGAGCCCCAAAACGATGAAGAAATTTCTT  
 CAAAAAGAAAGACGGAGAGAAAAGACATCCGAGGAAGAATACGTGATTAGGAAAAGTACTGCTGCCTGG  
 AAGAGGATGCTCAGATTCTAAGGTGATTGAAGCTTATTGCACCAGCGCCAGTTTTCAACAAGGTAAGT  
 TAAAGATTGAGTCCACAAGTACTACTCCCGAGGAAGAGAACTCATTATTGAAGAACTAGAAGTAAT  
 GGGCAGACCATCATTGAAGAGAAGACCTTGTGATACTGTCTATGCCTTGAAGGATGAGGTCAAGGAAT  
 TGAAGCAGGAGAATAAAAAAATGAAGCAATGTCTGGAAGAAGAATTGAAGTCGAGGAAGGACCTAGAAAA  
 ACTGGTCCGGAAGCTGTTGAAGCAAACCGATGAAAGCATTGCGCTGAATCCAGCAGCAAGACCTCGATT  
 CTCCAGTAA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001005565  
**Insert Size:** 2319 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>	<u><a href="#">NM_001005565.1</a></u> , <u><a href="#">NP_001005565.1</a></u>
<b>RefSeq Size:</b>	2319 bp
<b>RefSeq ORF:</b>	2319 bp
<b>Locus ID:</b>	363509
<b>UniProt ID:</b>	<u><a href="#">Q5XXR3</a></u>
<b>Cytogenetics:</b>	Xq37
<b>Gene Summary:</b>	Acts as a RAC1 guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]