

## Product datasheet for RN207858

### Arhgef18 (NM\_001107115) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef18 (NM_001107115) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef18
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207858 representing NM_001107115 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGTCCATCAGCCCTGGAGGACCCCACTCCAACCTCACCTGGTTCGAGTTCCTGTCAGAGAGCGAGGATG  
GTGTGTGCAAGAATGAGAAGACGGACAAGAGCACCAGAGTGAAGCGCAGCCTGAGCTCCCTCCGAGCAG  
GGTCACGAGGCAGAAGGAGAAGGGGAAGAACCCAGCACATCTAAAAGATAAGATTCAGGATGTTCCAGGA  
AAGCGGGAGTGTGTCAACGGGCACCAGCTGGTGCAGGAACCTTCTCGGGCCACTCCAGCTGTCTCTGT  
GTGGCAAACCTTTGCTGAGCTCAGCTTGGTCTCGCACGGCACACCCGCTTCCGGCTCCTTGGAGGCCGGGC  
GGAGGCTGCGAGAGCGACCCGGGAGCCAGCAGGGCGGAGAGCGGCCTGTGAGGGACCCCGCGGAGCCTCC  
CTGAAGGAGCACCCCGGACCGCACTTCTGTCTGATGGCAGCAGCCGGCTCCCTCCCGAATGTCGGCA  
TGACCGTCTCTCAGAAAGGGGTCTCCAGCCAACACCGAGCCAGCTGGATCTGGGGTGCAGCTTGGACC  
GATCGCTGGAGACATGGATGAAGCTGACTCCGTGTTTTAAAGCTGAAACAGACGGCTGATGACTCTCTG  
TCACTCACATCCTCGAATGCTGAGTCTGTTTTCATAGAAGATCCTTACACTGCCTCGCTGAGGTGTGAGA  
TCGAATCAGATGCCATGAGTTTGAGGCCGAGTCTGGAGCCTCTCGGTGGATGTAGCATATGCCAAGAA  
ACAAAAGAAGGAGGTGGTCAAGAGACAGGACGTCCTGTATGAGCTGATGCAGACAGAGGCCATCACGTG  
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CAGTCAGCCGCTGTTCCCATGCGCCGACGACTTACTGGACATGCACAGCCACTTCTCGCCCGCTTAA  
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CTGGTCCAGCAGTTCTCAGGAGAAACCGGGGAGAGAATGAAGGAGAAATACGGTGTGTTCTGTAGCGGCC  
ACAAGGATGCGGTGCGGCACTACAAGTACTGCTGCAGCAGAGCAAGAAGTTTCAAACCTAATCAAGAA  
AATTGGCAACTTTTCCATCGTGCAGGAGGCTGGGAGTGCAGGAGTATCCTTCTGGTACACAGCGTATA  
ACCAAGTACCCGGTGTAGTGGAAACGCATCCAGAACACGGAAGCTGGCACTGAGGACTACAAGGACC  
TGAGCCAGGCCCTGAACCTCATCAAAGACATCATCTCACAAGTGGATGCCAAAGTCAAGTGTGAGAA  
GGACCAGCGCCTCAAGGAGATCGTAGCCAAAGATGGACTCGAAGTATCCGGCAAACCTCAAGAACGGGCGA  
ACCTTCCGAAAGGAGGATATGCTGCAGCGCCAGCTCCACCTGGACAGCACCCTGTGCTGGAAGTCCACGT  
CGGGGCGCTTGAAGATGTCCTCGCTGTCTGTTGACCGATGTGCTTTTGTGCTGCAAGAAAAGGATCA  
AAAATACGTCTTTGCTTGTGGACTCAAAGCCACCCGTCATCTCTGCAAAGCTCATTGTGAGAGAG



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GTAGCCAACGAGGAGAAGGCCATGTTTCTGATCAGCGCCTCCATGCAGGGACCAGAGATGTACGAGATCT  
 ACACCAGTTCAAAGAGGACAGGAACATCTGGATGGCCACATCCGACGGGCCGTGGAGAGCTGTCTGA  
 CGAGGAGGAGGGCATTTCCTCGAGGCTGAGGAGAGAAGGATGGCTGAAGCCCGCACCATGAAACTCCGG  
 GACTTTCAAGAGCGACTGAGCCTGAAAGACCAGCTGATCGCCAGAGCCTTCTGGAGAAACAGCAGATCT  
 ACCTGGAGATGGCTCAGCTGAGCGGGCTGGATGAGTCGGCCAGTGCCGAGGCCTTCCGAGGAGGAGG  
 GGACCCCTCTGAGACCTACGAGGGGAGCAGATTCTCAGATCAGCCATGAGTGAGATTGAGGGCATCCAG  
 AGCCTGATCTGCCGGCACGTGGCAGCACAGTACCAAGTGAAGAGGGAGGTCTCTGCAGGCCTGC  
 CTCGGAGGGCTGAGACCTTCGGGGGCTATGACAGCGTGGCAGCCCAACAAGGGTGGCAGCTTTAAAAG  
 GAAGGTGTACAACAGTGACCCAGGCCCAAGACTGGCAAGGGCCTGCTAGCAGCCCGGACTCCATGCC  
 TGTGACACCACCCAGTGGCTGCTGCGAGGAATCACCACAGGCTGTGGAGATGCCTAGCGCAGAGA  
 GTAGCCCATGTCTGCCACTGTCCTGGAATCAGAGCTGGTCCACCGGGTCCAGACCCTGTGCGAGCTGT  
 TCTTAGTCTCCAGGCAGTCATCGCTCAACAGGATAGCTACGTGGAGATGCAGCGAATGGCCATCCAGGAG  
 CGTGAGAAGCAGTTCGGGCTCAATCAACGCGTGGGAACCTGCTTCTAGAGCAAGAGCGGCAACGCACT  
 TTGAGAAGCAGCGTGAGGAGCGCGGGTGTGGAGAAGCTGCAAAACCAGCTGCGCCAGGAGCAGCAGCG  
 ATGGGAGCGGGAGCGGGCAGCCAGCAGCAGGAACTGGAGCTGGCAGGCGCGACTGCAGGAGAGAGAG  
 GCGGAGGCGGCCAGCTGCGCCAGCGGCTGGACCAGGAGCGCACAGAGCTGGAGAGACAGCGCCAGGCCT  
 ACCAGCATGATCTGGAGCGTCTGCGCGAGGCCAGAGAGCAGTGGACCGTGAACGTGAGCGCCTGGA  
 ACTGCGCAGGTTCAAGAAACAGAACTGTACCGGGGCACTGCCCCGGAAGTGTGGCAGAGGCCAG  
 CCTGCAAGCCACCCTCTCAACTTCAATGGGGATGGGCTGGAGGGCCACTTGGCCCGCCAAAGCACCAG  
 GAACACAGGGGAGCATGTACACGGCACAGGACCTGAGTACGGAGAGCGAGCTGAGGTGGCCCGCTGGGA  
 CAGTGGCCCTGCTGAGAGCCGGCCAGCAAGAGTATGTGCCATCCAGCTGCTCAGTGCCACCAATCAG  
 ATTCAGAGGCAGACAGCCGTGCAGCAGCAGATCCCCACCAAGTTGGCCGCTCCACCAAGGGGGCAAGG  
 ATAAGAACAGCAAGAGCAGGGGTTCCAGCGCTGGGAGAGCTCAGCATCCTTCGACCTGAAGCAGCAGCC  
 ACTCTTCAACAAGCTCATGGGCAAGGACGAGAACGCGTCCCGAAACCGCGCTCACTGAGCCCGCTCCTA  
 CCTGCAGCCCATGGATCTGCACCTGCCAGACCCTGCTTCCAGCCCAAGCCCGGTCCCGGGCCCA  
 CAGCCCCGAGGCCTTCAAGTCAGGAGGCAGTCACTGCCACCTGCCTCCCGAGCTCCCTCGCTGCCAAC  
 CACACCGCCACCATCACAGATGAAGTTGGCAAGGAAGACGTCATCTTCTTGA

ACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-NotI
- ACCN:** NM\_001107115
- Insert Size:** 3555 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: NM\_001107115.1, NP\_001100585.1

RefSeq Size: 6131 bp

RefSeq ORF: 3555 bp

Locus ID: 304193

Cytogenetics: 12p12