

Product datasheet for **RR204115**

Arhgef6 (NM_001005565) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR204115 representing NM_001005565
 Red=Cloning site Blue=ORF Green=Tags(s)

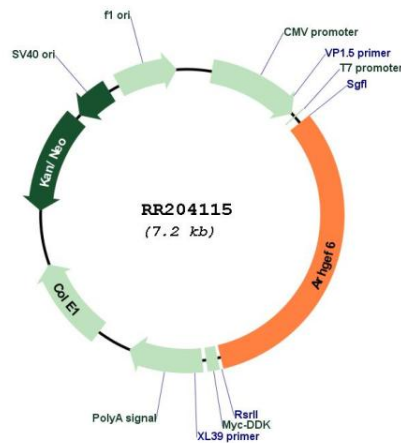
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCCAGAAGAACGCGTTGTGACCTGGCTTATATCTTTGGGAGTTCTAGAGTCCCCAAAAAGACCA
 TCTGTGATCCAGAAGAGTTCTTGAAGTCTTCGCTGAAAAATGGGGTAGTGTGTGCAAACTCATAAGCAG
 ACTTCTGCCTGGCTCGGTGGAGAAGTATTGTCAGGAACCCCAAAGTGGAGCCGACTGCATCGACAACATC
 AATGACTTCTGAAAGGATGTGCAACCCCTCAAGTGGAAAGTGTGGAGCCTGATGACCTCTATTCTGGGG
 CCAATTTCTCCAAGTTCTGAATACCCTTCTAGCTGTCAACAAAGCGACAGAAGATCAGCTATCAGAAAG
 ACCATGTGGACGGTCTCTTCTTCTTAGTGTACGACCAGCTCTCAGACAAACCCACAGGCAGCCGTTCCC
 AGCACAACCTCCAGAGCAGCAAAGCGAGGAAAAGGCAGCGGAGATGACGGAAAAATGGAAGTACCAGTTGA
 TAGTAAAGGCAAGATTCAACTTCAAGCAGACCAATGAAGATGAATTGTCAGTGTGTAAGGGGACATCAT
 TTATGTCACTCGAGTTGAAGAAGGAGGCTGGTGGGAAGGCACATTAATGGGAGAACCGGATGGTCCCT
 AGTAATTATGTTCCGAGAAATTAACCCAGTGGAGACCTCTGTCCCTAAGGCTGTCAAAGGATTTGACA
 CTGCTCCACTTACCAAGAATTACTACACTGTGGTGTACAGAACATCTTGGACACTGAAAAAGAATATGC
 CAAAGAACTTCAGTCTCTTCTTGTACTTACCTAAGACCTTTCGAGTCTAATAACAACCTGAGTACTGTG
 GAGTTTACATGCTTATTGGGAACTTTGAAGAAGTATGCACATTTCAACAGACACTCTGCCAAGCCCTGG
 AAGAATGCTCAAAGTCTCCAGAAAACAGCACAAAGTAGGAGGCTGCCTACTGAACCTCATGCCTCATT
 TAAATCGATGTACCTGGCTTACTGTGCAAAATCATCCTTCAGCTGTCAACGTGCTCACCCAGCATAGTGAT
 GATCTAGAACGATTCATGGAAAATCAAGGTGCATCCAGCCCCGGTATCCTCATTTTAACAACAAGTCTCA
 GCAAACCATTCATGCGACTGGAAAAGTATGTTACTCTTTCGCAAGAAGTGAACGGCATATGGAGGACAC
 TCATCCAGATCATCAGGATATTCTGAAAGCTATCATAGCATTCAAAGCCTCATGGGGCAGTGCCAAGAT
 CTGAGAAAGAGAAAGCAGCTGGAATTGCAGATCCTTTCGGAACCTATTCAGGCATGGGAAGGAGATGATA
 TTAAGACTTTGGGAAATGTGATCTTTATGTCAAGTAGTGTGATGCAGCATGGAGCCTGTGAGGAAAAAGA
 GGAACGATATTTTCTGCTCTTTTCAAGTGTCTTGATCATGTTGTCTGCAAGTCCGCGGATGAGTGCTTT
 ATGATCAGGGAAAGGTACCAATAGCAGGGATGGTCGTGACCAGATTGGATGAAATTGAAGGAAATGACT
 GTACATTCGAAATCACCGGTAGCACGGTAGAGAGAATTGTGGTCCACTGCAACAATAACCCAGGACTTCCA
 GGAGTGGATGGAGCAGCTGAACAGACTGACCAAAGGACCAGCCTCCTGCAGTTCATTGTCTAAGACCTCC
 TCATCATCATGTAGTACTCATTCTTTTAGCTCTACCGGACAGCCCCGAGGACCTTGGAGCCTCCTC
 AAATTATAAAACCGTGGAGTTTAAAGTTGCCTACGACCTGCACCTCCACTTAGACCATCAGCAGCACTAGG
 TTATAAAGAGAGGATGTCTTATATCTTAAAGGAATCTAGTAAGAGCCCCAAAACGATGAAGAAATTTCTT
 CAAAAAGAAAGACGGAGAGAAAAGACATCCGAGGAAGAATACGTGATTAGGAAAAGTACTGCTGCCTGG
 AAGAGGATGCTCAGATTCTAAGGTGATTGAAGCTTATTGCACCAGCGCCAGTTTCAACAAGGTAAGTCTG
 TAAAGATTGAGTCCACAAGTACTACTCCCGAGGAAGAGAACTCATTATTGAAGAACTAGAAGTAAT
 GGGCAGACCATCATTGAAGAGAAGACCTTGTGATACTGTCTATGCCTTGAAGGATGAGGTCAAGGAAT
 TGAAGCAGGAGAATAAAAAAATGAAGCAATGTCTGGAAGAAGAATTGAAGTCGAGGAAGGACCTAGAAAA
 ACTGGTCCGGAAGCTGTTGAAGCAAACCGATGAAAGCATTGCGCTGAATCCAGCAGCAAGACCTCGATT
 CTCCAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- 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_001005565.1](#), [NP_001005565.1](#)
- RefSeq Size:** 2319 bp
- RefSeq ORF:** 2319 bp
- Locus ID:** 363509
- UniProt ID:** [Q5XXR3](#)
- Cytogenetics:** Xq37
- MW:** 87 kDa
- Gene Summary:** Acts as a RAC1 guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR204115