

Product datasheet for **RN214785**

Arhgap27 (NM_198759) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap27 (NM_198759) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap27
Synonyms:	Arhgap15; CAMGAP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214785 representing NM_198759
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGGGGACGTCGAGGGGACGTGTACGTGCTGGTGGAGCACCCCTTCGAGTACACCGCAAGACG
 GCGCCTTATCGCCATCCAACCCAATGAGCGTTGCCGACTGCTGCGCCGAGCACCGAGCACTGGTGGCA
 CGTGCGCGGGAGCCTGGGGTTCGCCCTTCTACCTCCCGGCTCAGTACGTACCGGAGCTGCCGGCGCTC
 GGTGACCTGTCCCGGCCCGCAGCCTTCCGTAACAGCAGCGCCACAGTCCCGGAGCCTCTGGCCT
 ACGACTACCGCTTCGTGAGCACCCCGTGGTGGCGATGGGTCTTCTGCCGAGCCCGGGCCGTGCCAG
 CTCCTGTGTGGCCTGCACGACAACGCACCAAGTGGCCAGCGCAACAGCCTGGCTCCGGGAGGGCCCGC
 TGCCTGTACTGCGGCCCGCAGCGCCGGTGCAGCCGCGCAGTCCCTGGATGACTTGGCGCGCGCGGCA
 CCGCGCCCTGCCGGCCTCTCGGCAGCGCGGCCACTTCAAGGCCCTCCAGCGTGGCGGGCTCTGGGT
 TTGTCGCCGGCCCTGGCGCGTAGCGACTCGGAGAATGTCTACGAGGCTATCCCGGACTTGCCTGTCT
 CCGCGGGCGAAGAGCCAAAACAGGTAGACGAGCCACCGAACCAGTGTATGCCAACGTAGAGAGGCAAC
 CTCAGGTACGTCGCGCGCTCTGCTGCAGTCTCTCGGCTCAGCCCGGTGTGGGAGACGCACACAGA
 TGCGGGCACTGGGCGCCCTACTACTACAACCCGACACGGGCGTGACCACCTGGGAGTCAACCTTTGAA
 GCACCTGAAGGCGCCACAGCCGACTACCTCCCGGGCTCTGTGGGAGCGGGAGAGCCTGGAGACAG
 AGTGGGGCCAGTACTGGGATGAGGAGAGCGCAGGGTGTCTTCTACAACCCCTTGACGGGTGAGACGGT
 CTGGGAGGACGAGACTGAGGAGCTGGAGACGATCCCAGGAACAACGGAGATGCAACCCAGCCTGAGC
 CCGCGAAGCCCGGGCAGCAGAGGCCCGACTCCTGAAACAGACTACCTGAATTACTGACCAGTTATC
 CTGAAGAGGACTATTCTCTGTGGGCTCCTTCAAGTGTCTCGGCCAATTCTCCCTTGGTGCACCCCC
 TGCTGTCTGTCAAATTACCCAGAGAACAGATGCTCTACACCAACCAGTCACTCAAGAGCAGTGG
 GTAAGGTTGGAGGACCAGGAAGGAAGCCATATTTCTACAATCCAGAGGACTCCTCTGTTAGTGGGAAC
 TGCCCCAGGTCCCGGTCCTGCCCTCGGAGTGGTGTAAATCCAGCCAGGATAGTGATACTCCAGCCCA
 GGCTAGCCCTCCAGAGGAGAAGTCAAGACCCTGGACAAGGAGGAGTGTCCATCGAACCAAGACAGTA
 GACAAGGGGAAGAGACTTCGGAAGAAACACTGGAATGCTTCTGGACCGTGTGGAGGGCGGTGTCTGA
 CCTTCTCAAGGATTCAAAGACCTCAGTGAAGCGCCCTGAGGCAGCCTTCAAACCTCTCCACCCCTGA
 ATATACAGTGAAGTGAAGGGGGCTCGCTCTCGTGGGCCCAAGACAATCCAGCAAGAAGAATGTG
 CTAGAGCTCCGGAGCCGAGATGGCTCAGAGTACCTGATCCAGCATGACTCAGAGGCCATCATCAGCACCT
 GGCACAAGGCCATTGCCGAAGGCATCGAGGAGCTGTCTGCAGACCTGCCCAAAGGGAGGAAGGTGAACC
 CAGCAGTGTGATTTGGGTCCAGTGAAGCGCTCGGAAGCTGGAAGGAGGAGGATGTGCGGCCGAATGCA
 GCCTCACCTCGCTCAACCCCGGAAGCCAGGAAAGCGACTTGAGCAGGGTCCGGCACAAGCTCCGCAAT
 TCCTACAGAGACGACCCACTCTGCAGTCTTTCGGGAGAAAGGGTACATCAAAGACCAGGTGTTGGATG
 TGCACTGGCTCAACTGTGCGAGCGGAGAGGAGCCCTGTGCCACGCTTGTGCAGCAATGCATCCGCACC
 GTCGAGGCCCGGGGGCTGGATATTGATGGGCTGTACCGCATCAGTGGAACCTGGCCACCATCCAGAAGC
 TGCCTATAAGGTGGATCAGATGAACGCTTGGACCTGGACGATGGGCGCTGGGAAGACGTCACCGTGT
 CACAGGTGCCCTGAAGCTCTTCTCCGAGAGTGCAGGAAACCCCTTCCCTTCTCGCACTTCCACCCAG
 TTCATAGCAGCCATCAAGCTGCAAGACCCGCGCCAGCGCAGCCGCTGTGTGCGTGACCTGGTACGTA
 TACCAGCCCCAACCACGACACTCTCCGCTGCTCATCCAGCATCTGTGTCGGGTGATCGAGCATGGCGA
 GCAGAACCATGTCTGTGCAGAATGTGGCCATAGTGTTCGGGCCACGCTGCTGAGGCCTGAGATGGAG
 GAAGCCAGCATGCCATGACCATGGTGTCCAGAACCAGGTGGTAGAGCTCATCTACATCAGTGCAGCAG
 ACATCTTCCACCGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_198759

Insert Size:	2610 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:	<ol style="list-style-type: none"> 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:	<u>NM_198759.1</u> , <u>NP_942054.1</u>
RefSeq Size:	2610 bp
RefSeq ORF:	2610 bp
Locus ID:	303583
UniProt ID:	<u>Q6TLK4</u>
Cytogenetics:	10q32.1
Gene Summary:	has GTPase activator activity toward Rac1 and Cdc42; plays a role in receptor mediated endocytosis [RGD, Feb 2006]