

Product datasheet for **MC220396**

Arhgap27 (NM_133715) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap27 (NM_133715) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap27
Synonyms:	2310069I04Rik; 5730442P18Rik; Gm21552; Sh3d20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220396 representing NM_133715
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGATATGATTTCAAACCTGGTCAGAAGGCAGAGCCGGGCCCTGCGGGCACAGGTGGACGACCCCC
 CGGAACCAGTGTATGCCAATGTAGAGAGGCAACCTCGGGCCACGTCGCCTCGCTCAGCTGCAGCTCCTCC
 TCGGCTCAGCCCAGTGTGGGAGACACACAGACACGGGCACTGGGCGCCCTACTACTACAACCCCGAC
 ACGGGCGTGACCACCTGGGAGTACCCTTTGAAACACCTGAAGGCACCACCAGCCCGCCACCTCCCGGG
 CCTCTGTGGTAGCGGGGAGAGCCTGGAGACAGAGTGGGGCCAGTACTGGGATGAGGAGAGCCGAGGGT
 CTTCTTACAACCCCTTGACCGGTGAGACGGCCTGGGAGGACGAGACCGAGGAGCTGGAGGAAGATCAC
 CAGGAACAACCTGAAATGCAACCCAGCCTGAGCCCGCAAGCCCGGGCAGCAGAGGCCCAACTCCTG
 AACAGACTACCCGAATTACTGGCCAGTACCCTGAAGAGGACTACTCTCTGTGGGCTCCTTCAGTGA
 TCCGGGCCCGCTTCTCCTTTGGTTGCACCCCTGGCTGGTCTGTCAAATTACCCAGACAAACAGATG
 CTCTACACCAACCAAGTCACTCAAGAGCAGTGGGTAAAGTTGGAGGACCAGCAGCGGAAGCCATATTTCT
 ACAACCCAGAGGACTCCTCTGTTCACTGGGAGTACCCAGGTCCCGATCCCTGCCCCCGAAGTGTCCG
 CAAATCCAGCCAGGATAGCGACACTCCAGCCAGGCTAGCCCTCCAGAGGAGAAGATCAAGACTCTGGAC
 AAGGCAGGAGTCTCCATCGTACCAAGACGGTAGACAAGGGGAAGAGACTTCGGAAGAAACTGGAGCA
 CCTCCTGGACAGTGTGGAGGGCGGGTCTGACCTTCTCAAGGACTCAAAGACCTCAGCTGCAGGCGG
 CCTGAGGCAGCCTTCAAAGCTCTCCACCCTGAATACACAGTCAAGTGAAGGGGGCCTCTCTCTTTGG
 GCCCCAAAGACAAATCCAGCAAGAAGAATGTGTAGAGCTTCAAGCCGAGATGGCTCGGAGTACCTGA
 TCCAGCAGGACTCCGAAGCCATCATCAGCACCTGGCACAAGCCATTGCCGAAGGCATCTCAGAGTGTG
 TGCAGACCTGCTCAAGGGGAGGAAGGTGAGCCAGCAGTGTGATTTGCGGTCCAGTGAGCGCCTCGGA
 AGCTGGCGGGAGGAGGATGTACGGCAGAACGCAGCCTCACCTCGCTCAGCCCGGAGGCTGGAAGCG
 ACTTGAGCAGAGTCCGGCACAAGCTCCGTAATTCCTACAGAGACGACCCACTCTGCAGTCTTTCGCGGA
 CAAGGGCTACATCAAAGACCAGGTGTTGGATGCGCGCTGGTCAACTGTGTGAGCGGAGAGGAGCCCT
 GTGCCACGCTTCGTGCAGCAATGCATCCGACCGTCCGAGGCCGGGGCTGGATATTGATGGGCTGTACC
 GCATCAGTGGGAACCTGGCTACCATCCAGAAGCTGCGCTATAAGGTGGATCAGTGAACGCTTGGACTT
 GGACGACGGGCGCTGGGAAGACGTCCACGTGATCAGGGTGCCCTGAAGCTTCTTCCGAGAGTGCCG
 GAACCTCTTCCCTTCTCGCACTTCCACCAGTTCATAGCAGCCATTAAGCTGCAGGACCCAGCCAGC
 GCAGCCGCTGCGTGCAGTACCTGGTGCAGCAGCTGCCAGCTCCCAACCAGGACACGCTCCGACTGCTCAT
 CCAGCATCTGCGGGTTCATCGAGCATGGCGAGCAGAACCCTATGACTGTGCAGAAATGTGGCCATAGT
 TTCGAGCCACGCTGCTGCGGCCAGAGATGGAGGAGGCCAGCATGCCCATGACCATGGTGTTCAGAACC
 AGGTGGTGGAGCTCATCTACATCAGTGCAGGACATCTCCACCGCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_133715
- Insert Size:** 2013 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_133715.5](#), [NP_598476.2](#)

RefSeq Size: 3528 bp

RefSeq ORF: 2013 bp

Locus ID: 544817

UniProt ID: [A2AB59](#)

Cytogenetics: 11 E1

Gene Summary: Rho GTPase-activating protein which may be involved in clathrin-mediated endocytosis. GTPase activators for the Rho-type GTPases act by converting them to an inactive GDP-bound state. Has activity toward CDC42 and RAC1 (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, and uses an alternate internal promoter, compared to variant 1. The encoded isoform (2) has a distinct and shorter N-terminus, compared to isoform 1.