

Product datasheet for **MC229081**

Arhgap27 (NM_001205236) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap27 (NM_001205236) 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: >MC229081 representing NM_001205236
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGGACGTGCGAGGGGACGTGTACGTGCTGGTGGAAACCCCTTCGAGTACACCGCAAGACG
 GGCGCCGCATCGCCATCCAACCGAACGAGCGTTACCGACTGCTGCGCCGAGCACCAGCACTGGTGGCA
 CGTGCGCGGGAGCCCGGGGTCGCCCTTCTACCTCCCGCGCAGTACGTACCGGAGCTGCCCGCGCTC
 GGCGACCTGCCCGGCCCGCAGCCTTCCGTACCGCAGCAGCGCCCGCAGTCCCGGAACCTCTGGCT
 ACGACTACCGCTTCGTGAGCACCCCGTGGGCGCCGATGGGTCTCTGCCGAGCCCGGGGCCGCGCCAG
 CTCCTGTGTGGCCTGCACGACAGCGCACCGGTGGCCAGCGCAACAGCCTGGCTCCGGGAGGGCCCGC
 TGCCTTACGTGCGGCCCGCGGCCTGTGCGACCGCGCAGTCCCTGGATGACTGGCGCGCGCGGTA
 CCGCGCCCTGCCGGCCTCTCGCAGCGCGGCCACTTCAAGGCCCTCCAGCTGGCGGGCTCTGGGT
 TTGTCGCCCGCCCTGGCGCTAGCGACTCGGAGAATGTCTACGAGGCCATTCCGGACTTGCCTGCCCT
 CCGCGGGCAGAGAGCCAAAGCAGGTGGACGACCCCGGAACAGTGTATGCCAATGTAGAGAGGCAAC
 CTCGGGCCACGTGCGCTCGCTCAGCTGCAGTCCCTCCTCGGCTCAGCCAGTGTGGGAGACACACAGA
 CACGGGCACTGGGCGCCCTACTACTACAACCCGACACGGGCGTGACCACCTGGGAGTCAACCTTTGAA
 ACACCTGAAGGCACCACAGCCCGGCCACTCCCGGGCTCTGTGGTAGCGGGAGAGCCTGGAGACAG
 AGTGGGGCCAGTACTGGGATGAGGAGAGCCGAGGGTCTTCTTACAACCCCTTGACCGGTGAGACGGC
 CTGGGAGGACGAGACCGAGGAGCTGGAGGAAGTACCAGGAACAACGGAAATGCAACCCAGCCTGAGC
 CCGGAAGCCCGGGCAGCAGAGGCCCAACTCTGAAACAGACTACCCGAATTACTGGCCAGTTACC
 CTGAAGAGGACTACTCTCTGTGGCTCCTTCAAGTGTGATCCGGGCCCGCTTCTCTTTGGTGCACCC
 TGGCTGGTCTGTCAAATTACCCAGACAAACAGATGCTCTACACCAACAGTCACTCAAGAGCAGTGG
 GTAAGGTTGGAGGACAGCACGGGAAGCCATATTTCTACAACCCAGAGGACTCCTCTGTTAGTGGGAGC
 TACCCAGGTCCCGATCCCTGCCCGGAGTGTCCGCAATCCAGCCAGGATAGCGACTCCAGCCCA
 GGCTAGCCCTCCAGAGGAGAAGTCAAGACTCTGGACAAGGAGGAGTCTCCATCGTACCAAGACGGTA
 GACAAGGGGAAGAGACTTCGGAAGAACTGGAGCACCTCTGGACAGTGTGGAGGGCGGGTCTGTA
 CCTTCTCAAGGACTCAAAGACCTCAGCTGCAGGGCCCTGAGGCAGCCTTCCAAGCTCTCACCCCTGA
 ATACACAGTGAAGTGAAGGGGCTCTCTCTTGGGCCCAAGACAATCCAGCAAGAAGAATGTG
 TTAGAGCTTGAAGCCGAGATGGCTCGGAGTACCTGATCCAGCAGACTCCGAAGCCATCATCAGCACCT
 GGCACAAAGCCATTGCCGAAGGCATCTCAGAGCTGTCTGAGACCTGCTCCAAGGGGAGGAGGTGAGCC
 CAGCAGTGTGATTTCCGGTCCAGTGCAGCGCTCGGAAGCTGGCGGGAGGAGGATGTACGGCAGAACGCA
 GCCTCACCTCGCTCAGCCCGGAGGCCTGAAAGCGACTTGAGCAGAGTCCGGCACAAGCTCCGTAAT
 TCCTACAGAGACGACCCACTCTGCAGTCTTGGCGGACAAGGGCTACATCAAAGACCAGGTGTTGGATG
 CGCGCTGGCTCAACTGTGTGAGCGGAGAGGAGCCCTGTGCCACGCTTCGTGCAGCAATGCATCCGACC
 GTCGAGGCCCGGGGCTGGATATTGATGGGCTGTACCGCATCAGTGGAACCTGGCTACCATCCAGAAGC
 TGCCTATAAGGTGGATCAGATGAACGCTTGGACTTGGACGACGGCGCTGGGAAGACGTCACGCTGAT
 CACGGGTGCCCTGAAGCTCTTCTCCGAGAGCTGCCGGAACCTCTTCCCTTCTCGACTTCCACCAG
 TTCATAGCAGCCATTAAGCTGCAGGACCCAGCCAGCGCAGCCGCTGCGTGCCTGACCTGGTGCAGCAGC
 TGCCAGCTCCCAACCAGGACACGCTCCGACTGCTCATCCAGCATCTCTGCCGGTTCATCGAGCATGGCGA
 GCAGAACCATGACTGTGCAGAATGTGGCCATAGTGTTCGACCCAGCTGCTGCGGCCAGAGATGGAG
 GAGGCCAGCATGCCATGACCATGGTGTCCAGAACCAGGTGGTGGAGCTCATCTACATCAGTGCAGCG
 ACATCTTCCACCGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001205236

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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001205236.1</u> , <u>NP_001192165.1</u>
RefSeq Size:	4559 bp
RefSeq ORF:	2610 bp
Locus ID:	544817
UniProt ID:	<u>A2AB59</u>
Cytogenetics:	11 E1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>