

Product datasheet for **RG209629**

ARHGAP27 (NM_174919) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP27 (NM_174919) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARHGAP27
Synonyms:	CAMGAP1; PP905; SH3D20; SH3P20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209629 representing NM_174919 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGACGTGGTGGGGACGTGTACGTGCTGGTGGAGCACCCCTTCGAGTACACCGGCAAGGACG
GGCGCCGCGTGGCCATCCGGCCGAATGAGCGCTACCGGCTGCTGCGGCGCAGCACCGAGCACTGGTGGCA
CGTGGCGGCGTGGCCCGGCGGCCGCCCTTCTACCTGCCTGCGCAGTACGTGCGGAGCTGCCCGCGCTG
GGCAACCCTGCCCGCGCGCCGCGCCAGGTCCCCACCCGAGCCCCGCGGCCCTGAGCCGCTCGCCTACG
ACTACCGTGGTGTGAGCGCGGCGGCGACCGGGCCCCGACGGCGCCCCGAGGAGTCCGGAGGCCGAGC
CAGCTCCCTGTGCGGCCCTGCGCAACGCGGCGCCGCGACCCAGCGCAGCAGCCTGGCGCCCGGCCCTGCCA
GCCTGCCTGTACCTGCGGCCCGCGGCGCCCGTGC GGCCCGCGCAGTCCCTGAACGACCTGGCCTGCGCCG
CCGTCTCGCTCCCGCCGGCCTCTAGGAAGCAGCGGCAGCTTCAAGGCCTGCAGCGTGGCGGGCTCCTG
GGTGTGCCCGGGCCTCTGGCGCGCAGCGACTCAGAGAAGCTCTACGAGGTATCCAGGACTTGCACGTC
CCGCCCGCGGAGGAGCGCAGAGCAGGTACCTCCCCGGGCGCTGGGGCGCGGAGGCGGGTGGCGCGCTA
GGGACCGCGCCCGCACGGAGCCGGGGCGCAAGGAGACCCGCTCCGCTCAGCGTGGGCACGACGCCACC
TCTGTCCGAAGACTTCGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG209629 representing NM_174919
 Red=Cloning site Green=Tags(s)

MAADVVDVYVLVEHPFEYTGKDGRRVAIRPNERYRLRRSTEHWVHVRREPGRPFYLP AQYVREL PAL
 GNPAAAAPP GHPSPAAPELAYDYRFVSAATAGPDGAPEESGGRASSLCGPAQRGAATQRSSLAPGLP
 ACLYL RPAAPVRPAQSLNDLACA AVSPPAGLLGSSGSFKACSVAGSWVCP RPLARSDSENVYEVIQDLHV
 PPPEESAEQVPPRALGRGGWRARDRART EPGRKETRS AQRRARRPPLSEDFG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_174919

ORF Size: 789 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_174919.3](#), [NP_777579.2](#)

RefSeq Size: 1394 bp

RefSeq ORF: 792 bp

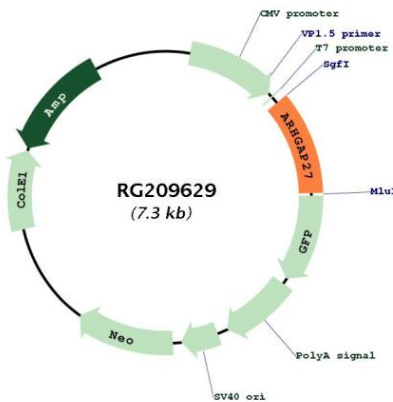
Locus ID: 201176

UniProt ID: [Q6ZUM4](#)

Cytogenetics: 17q21.31

Gene Summary: This gene encodes a member of a large family of proteins that activate Rho-type guanosine triphosphate (GTP) metabolizing enzymes. The encoded protein may play a role in clathrin-mediated endocytosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG209629