

## Product datasheet for **SC310278**

### SH3D20 (ARHGAP27) (NM\_199282) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SH3D20 (ARHGAP27) (NM_199282) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARHGAP27
Synonyms:	CAMGAP1; PP905; SH3D20; SH3P20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC310278 representing NM\_199282.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCAGCCGGGCTGAGCCCTGGCAGCCAGGGGACCCGCGCCCACTCCGAGACGGACTACCCC
GAGTCGCTGACCACTTACCCCGAGGAGGACTATTCTCCCGTGGGCTCTTTCGGTGAAGCCGGCCCTACC
TCTCCCTTGACCAACCCCGGCTGGTCTTGTATGTACAGCCAGGACAAGCAGATGCTCTACACCAAC
CACTTCACTCAGGAGCAGTGGGTGAGGCTGGAGGACCCACGGGAAGCCATACTTCTACAATCCAGAG
GACTCCTCTGTTTCGATGGGAGCTGCCCCAGGTCCTGTCCCTGCCCTCGAAGCATCCATAAATCCAGC
CAGGATGGTGACACCCAGCCAGGCCAGCCCTCCAGAGGAGAAGGTCCAGCAGAGCTGGATGAGGTT
GGGAGCTGGGAGGAAGTCTCTCTGCCACAGCTGCTGTGAGGACCAAGACCTGGACAAGCAGGGGTG
CTCCATCGCACCAAGACGGCAGACAAGGAAAGCGGCTCCGGAAGAAGCACTGGAGTGCCTCCTGGACT
GTGCTGGAGGGTGGCGTCTGACATTCTCAAGGACTCAAAGACCTCGGCTGCAGCGCCCTGAGGCAG
CCTTCCAAGTTTTCCACCCTGAGTACACAGTGGAGCTGAGGGGGCCACTCTCTCTGGGCCCCAAA
GACAAATCCAGTAGGAAGAATGTCTGGAGCTACGGAGCCGAGATGGCTCTGAGTACCTGATCCAGCAC
GACTCGGAGGCCATCATCAGCACCTGGCATAAGGCCATTGCTCAGGGCATCCAGGAGCTGTCCGAGAG
CTGCCCCAGAGGAGAGCGAGAGCAGCAGAGTGGACTTCGGGTCGAGCGAGCGCTTGGGAAGCTGGCAG
GAGAAAGAGGAGGACGCGCAGCCGAATGCAGCCGCGCCCGCCCTGGGCCCGTGGGCTGGAGAGCGAC
TTGAGCAAGGTCCGGCACAAGCTCCGCAAGTTCCTCCAGAGGCGGCCACACTGCAGTCGCTGCGGGAG
AAGGGTACATCAAAGACCAGGTGTTCCGGCTGCGCGCTGGCCGCGCTGTGTGAGCGGAGAGGAGCCGG
GTGCCACGCTTCGTGCAGCAGTGCATCCGCGCCGTCGAGGCCCGGGCTGGACATCGACGGGCTGTAC
CGCATCAGTGAAACCTGGCCACCATCCAGAAGCTACGCTATAAGGTGGACCACGATGAGCGCCTTGAC
CTGGATGACGGGCGCTGGGAGGACGTCCACGTTATCACCGGAGCCCTGAAGCTCTTCTTTCGGGAGCTG
CCCAGGCCCTCTCCCTTCTCGCACTTCGCGCAGTTTATTGCGGCCATCAAGTTGCAGGACCAGGCC
CGGCGCAGCCGCTGTGTGCGTGACTTGGTGCCTGCTGCGCCGCTCCCAACCACGACACTCTGCGGATG
CTTTCCAGCACCTCTGCCGGGTGATCGAGCACGGCGAGCAGAACCAGCATGTCGGTGCAGAGCGTGGCC
ATTGTGTTCCGGCCACGCTGCTGCGGCCGAGGTGGAAGAGACCAGCATGCCATGACCATGGTGTTC
CAGAACCAGGTGGTGGAGCTCATCTGCAGCAGTGCAGGACATCTTCCCGCCGCACTGA
ACGGCTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

- Restriction Sites:** Sgfl-Mlul
- Plasmid Map:** □
- ACCN:** NM\_199282
- Insert Size:** 1647 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_199282.2](#)

**RefSeq Size:** 3654 bp

**RefSeq ORF:** 1647 bp

**Locus ID:** 201176

**UniProt ID:** [Q6ZUM4](#)

**Cytogenetics:** 17q21.31

**MW:** 61.7 kDa

**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]  
Transcript Variant: This variant (1) is a short variant at the 3' end of a longer ARHGAP27 gene and differs in the 5' UTR and CDS compared to variant 4. The encoded isoform (a) is shorter than isoform d.