

## Product datasheet for **SC302704**

### SRGAP3 (NM\_001033117) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SRGAP3 (NM\_001033117) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SRGAP3  
**Synonyms:** ARHGAP14; MEGAP; SRGAP2; WRP  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001033117, the custom clone sequence may differ by one or more nucleotides

```
ATGTCATCTCAAACCTAAGTTCAAGAAAGACAAAGAGATCATTGCTGAATATGAAGCCAA  
ATAAAAGAGATCCGCACGCAGCTGGTGGAGCAGTTCAAATGTCTGGAGCAGCAATCAGAG  
TCGCGACTGCAGCTGCTTCAAGACCTCCAGGAGTTTTTCCGCCGAAAGCTGAGATTGAG  
CTCGAGTACTCCCGCAGCCTGGAGAAGCTGGCTGAGCGCTTCTCCTCCAAAATCCGCAGC  
TCCCGGGAGCACCAGTTCAAGAAGGACCAGTACCTCCTCTCGCCTGTGAAGTGTGGTAT  
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ATGAACAATGTCATCGTCCGCTCTCCAGATCAGTGAGGATGTCATCAGACTCTTCAA  
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TACACAGTCATGAAAACCTACCACATGTACCATGCAGAGAGCATCAGTCCGAAAGCAAG  
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AACCTGTCCGGCAGCAGGACCGGCCAGCGCCGAGCTCTGTGAAGAAGATTGAGAAG  
ATGAAGGAGAAGAGGCAGGCCAAGTACTCTGAGAACAAGCTGAAATGCACAAAGGCCCG  
AATGACTACTTGTCTCAATCTGGCAGCCACCAACGCAGCTATAAGCAAATACTACATCCAT  
GATGTCTCTGATCTGATCGATTGCTGTGATTTGGGCTTCCATGCCAGCCTGGCCCGCACC  
TTCCGGACCTATCTCTCAGCTGAATACAACCTGGAGACCTCTCGCCACGAAGGGCTGGAT  
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CAGCTGCAGTCCAGACTGGCCACCCTCAAGATAGAGAATGAGGAGGTTAGGAAAACCTG  
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GCCTTCCAACACAGTCGATCGACAGAGTCCGTCAAGTCGGCTGCCTCTGAGACCTACATG  
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GTGGACGATCAAAATGAACGAGATATCAATTCAGTCGCTGGTGTAAAACTGTATTTTC  
CGAGGACTGGAAAACCCACTCTTTCCTAAGGAAAGGTTTCAAGATTTGATATCTACTATT
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AAACTGGAGAACCCAGCCGAGAGGGTGCACCAGATCCAACAAATCCTCGTCACCCTTCCC
CGCGTGGTCATTGTGGTCATGAGATACCTCTTCGCTTTCTCAACCACCTCTCCCAGTAT
AGCGACGAGAACATGATGGATCCCTACAACCTGGCCATCTGCTTCGGGCCACCTCATG
CACATCCCTGATGGGCAGGACCTGTGTCTGCCAGGCACACATCAATGAAGTCATCAAA
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GTCAGCTCGGAGCCCGCAGTCCCCTTACACCATCGTCATCCGCGACCCCGATGCCGCC
ATGCGCCGAGCAGCAGCTCCTCACCGAGATGATGACCACCTTAAGCCAGCCCTGTCC
GCCCGCTGGCTGGCGCCAGCTCCGCCCGCCCCCATGCGGCCGCTGCGGCCGTTGGTC
CAGCACCCGTCCAGCAGCAGCAGCAGCTCGGGCGTGGGCAGCCCGCGCTGACGCCACC
GAGAAGATGTTCCCAACAGCTCAGCGGACAAGTCGGGCACCATGTGA

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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001033117

**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\\_001033117.1](#), [NP\\_001028289.1](#)

**RefSeq Size:**

8829 bp

RefSeq ORF: 3228 bp

Locus ID: 9901

UniProt ID: [O43295](#)

Cytogenetics: 3p25.3

Protein Pathways: Axon guidance

Gene Summary: GTPase-activating protein for RAC1 and perhaps Cdc42, but not for RhoA small GTPase. May attenuate RAC1 signaling in neurons.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an exon and includes an alternate exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (b) is shorter than isoform a.