

Product datasheet for **MC223576**

Srgap3 (NM_080448) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srgap3 (NM_080448) Mouse Untagged Clone
Tag: Tag Free
Symbol: Srgap3
Synonyms: Al452337; Arhgap14; D130026O08Rik; Gbi; MEGAP; mKIAA0411; WRP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223576 representing NM_080448
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCTCAAACAAAGTTCAAGAAAGACAAAGAGATCATTGCTGAATATGAAGCCAAATAAAAGAGA
 TCCGCACGCAGCTGGTGGAGCAGTTCAAATGCCTGGAGCAGCAGTCCGAGTCGCGGCTGCAGCTGCTGCA
 AGACTTGCAGGAGTTCTCCGCAGGAAAGCTGAGATTGAGCTGGAGTATCCCGAAGCCTGGAGAAGCTG
 GCTGAGCGCTTCTCCTCCAAGATTGCGAGCTCCCGGGAGCACCAGTTCAAGAAGGATCAATACCTCCTCT
 CGCCCGTGAAGTGTGGTATCTGGTACTGCATCAGACTCGGCGGGAGAGCCGAGACCATGCCACCCTCAA
 CGACATCTTATGAACAATGTCATCGTCCGCCTCTCCAGATCAGTGAAGATGTCATCAGACTCTTCAA
 AAGAGCAAAGAGATTGGCCTGCAGATGCATGAGGAGCTGCTGAAGGTCACCAACGAGCTCTACACAGTCA
 TGAAAACCTACCACATGTACCATGCAGAGAGCATCAGTGCAGAAAGCAAGCTGAAGGAGGCTGAGAAGCA
 GGAGGAGAAACAGTTTAAACAAGTCAGGAGAGCTAAGCATGAACCTGCTCCGGCACGAGGACAGCCCCAG
 CGCCGCAGCTCCGTGAAGAAGATTGAGAAGATGAAGGAGAAGAGGCAGGCCAAGTATTCTGAGAACAAAGC
 TCAAGTGCACGAAGGCCCGGAATGATTACCTGCTGAATCTGGCAGCCACCAACGCAGCTATCAGCAAATA
 CTACATCCACGATGCTCTGATCTCATCGATTGCTGTGATTTGGGCTTTCAGCCAGCCTGGCCCGCACT
 TTTCCGACCTACCTCTCAGCAGAATATAACCTGGAGACCTCTCGCCATGAGGGTCTGGACGTCATAGAGA
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 CCCTCCACTCAAGTTTGAGTTCAGCCCCACATGGGGGATGAGGTCTGCCAGGTCAAGTGCACAGCAGCCT
 GTCCAGACAGAGCTGCTCATGCGGTACCACCAGCTGCAGTCCAGGCTGGCCACTCTCAAGATTGAGAATG
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 AGCAAAATCAACATCGCCAAAAGGAGAGCAACCAGCAGGAAACAGAAATGTTTTATTTTACAAAATTTA
 AAGAATATGTGAATGGCAGTAACCTCATACCAAGCTGCAAGCCAAGCATGACTTACTCAAGCAGACCT
 GGGTGAAGGGGAGAGAGCAGAGTGCAGCAGCAGCAGGCCCCCTGTCTTCCCCTAAACCACAGAAAATG
 AGGAGACCTAGGCCTCTTTCAGTGTATAGCCATAAACTCTTTAACGGCAGTATGGAAGCGTTCATTAAGG



ATTCAGGACAAGCTATACCACTTGTAGTTGAGAGCTGTATTTCGATTCATCAATTTATATGGACTCCAGCA
 GCAGGGGATCTTCAGAGTTCCAGGGTCTCAGGTTGAAGTCAATGACATCAAGAATTCCTTTGAGAGAGGT
 GAAGACCCCTCGTGGATGACCAAAATGAGCGAGATATCAATTCAGTTGCTGGTGTAAAACTGTATT
 TCCGAGGACTGGAAAACCACTCTTTCTAAGGAAAGGTTTCAAGATTTGATATCTACTATTAACCTGGA
 GAACCCAGCTGACAGGGTGCACCAATCCAGCAGATCCTCATCACCTGCCCGCGTGGTCATTGTGGTC
 ATGAGATACCTCTTTGCTTTCTCAATCACCTTTCCCAGTACAGTGATGAGAACATGATGGATCCCTACA
 ACTTGGCCATCTGCTTCGGGCCACCTCATGCACATCCCGATGGCAGGACCCTGTATCCTGCCAGGC
 GCATGTCAATGAAGTCATCAAACTATCATCATCCACCATGAAGCCATTTCCCCAGCCCTCGGGAGCTA
 GAGGGACCCGTGTACGAAAAATGCATGGCTGGAGGGGAAGAGTACTGTGACAGCCACACAGTGAGCCGG
 GGACCATGATGAAGTTGACCATGACAATGGCAGCGAGCCTCACACCAGTGACGAAGAAGTGAGCAGAT
 TGAGGCCATCGCCAAGTTTGACTATGTGGGGCGTCCCCTCGTGAATATCCTTCAAAAAAGGGCCTCA
 CTACTCTGTATCACCGTGCCTCAGAGGACTGGTGGGAGGGCCGCCACAACGGTGTAGATGGACTCATCC
 CTCATCAGTACATAGTTGTACAGGACATGGACGATGCCTTCTCCGATAGCCTGAGCCAAAAGGCTGACAG
 CGAGGCCAGCAGTGGGCCACTGCTGGATGACAAGGCTCTTCCAAGAATGACCTCCAGTCCCCACAGAG
 CACATCTCTGATTACGGCTTTGGGGGGTGTATGGGCCAGTGCAGTACGGTCCGACGGAGCAGCCATCC
 CCAGGCGCCGAAGTGGGGGCGACACACAGCCCAACCCCGGGGCTTGGTCCCAGCATAGACACGCCACC
 CCGAGCTGCTGCCTGCCAGCAGCCCAAAAAATCCCCCTCAGCCGGGACGGATCGAGAGCCCTGAG
 AAGAGAAGGATGGCGACTTTCGGGAGCGCTGGCAGTATCAACTACCCTGACAAGAAGGCGCTGACAGAAG
 GGCTCTCCATGAGGTCGACTTGGCGTCCACGCGACACAGCAGCCTAGGGGACCACAAGTCCCTGGAGGC
 TGAGGCCCTGGCAGAAGACATCGAGAAGACCATGAGCACCCTCTGCATGAGTTGCGGAACTTGAGAGA
 CAGAACACTGTCAAGCAGCACCAGATGTGGTGTGACACCTTCAAGCCAGCCCTGAAGAATCCACCAGGCC
 CCATCAGCTCAGAGCCCGCCAGCCCTGCACACCATTGTATCCGAGACCCTGATGCTGCTATGCGCCG
 AAGCAGCAGTCAATCGACGGAGATGATGACCACCTTCAAGCCAGCCCTGCAGCTCGCCTGGTGGTCC
 CAGCTGCGTCCGCCCCATGCGTCCGGTCAGACCTGTGGTTTCAGCACCAGTCCAGCAGCAGCAGCAGCT
 CAGGTGTGGGAGCCCGCAGTGACACCACGGAGAAGATGTTCCCTAATAGCTCCTCGGACAAGTCTGG
 CACCATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_080448
- Insert Size:** 3300 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_080448.4](#), [NP_536696.4](#)

RefSeq Size:	8887 bp
RefSeq ORF:	3300 bp
Locus ID:	259302
UniProt ID:	<u>Q812A2</u>
Cytogenetics:	6 E3
Gene Summary:	GTPase-activating protein for RAC1 and perhaps CDC42, but not for RhoA small GTPase. May attenuate RAC1 signaling in neurons (By similarity).[UniProtKB/Swiss-Prot Function]