

## Product datasheet for **MG217119**

### Srgap3 (NM\_080448) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Srgap3 (NM_080448) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Srgap3
Synonyms:	Al452337; Arhgap14; D130026O08Rik; Gbi; MEGAP; mKIAA0411; WRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217119 representing NM_080448 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCATCTCAAACAAAGTTCAAGAAAGACAAAGAGATCATTGCTGAATATGAAGCCAAATAAAAGAGA  
TCCGCACGCAGCTGGTGGAGCAGTTCAAATGCCTGGAGCAGCAGTCCGAGTCGCGGCTGCAGCTGCTGCA  
AGACTTGCAGGAGTTCTCCGCAGGAAAGCTGAGATTGAGCTGGAGTATCCCGAAGCTGGAGAAGCTG  
GCTGAGCGCTTCTCTCCAAGATTTCGCAGCTCCCGGGAGCACCAGTTCAAGAAGGATCAATACCTCTCT  
CGCCCGTGAAGTGTGGTATCTGGTACTGCATCAGACTCGCGGGAGAGCCGAGACCATGCCACCCTCAA  
CGACATCTTCATGAACAATGTCATCGTCCGCTCTCCAGATCAGTGAAGATGTCATCAGACTCTTCAA  
AAGAGCAAAGAGATTGGCTGCAGATGCATGAGGAGCTGCTGAAGGTCACCAACGAGCTCTACACAGTCA  
TGAAAACCTACCACATGTACCATGCAGAGAGCATCAGTGCAGAAAGCAAGCTGAAGGAGGCTGAGAAGCA  
GGAGGAGAAACAGTTTAAACAAGTCAGGAGAGCTAAGCATGAACCTGCTCCGGCAGCAGGACAGCCCCAG  
CGCCGAGCTCCGTGAAGAAGATTGAGAAGATGAAGGAGAAGAGGAGGCAAGTATTCTGAGAACAAGC  
TCAAGTGCACGAAGGCCGGAATGATTACCTGCTGAATCTGGCAGCCACCAACGCAGCTATCAGCAAATA  
CTACATCCACGATGCTCTGATCTCATCGATTGCTGTGATTTGGCTTTACGCCAGCCTGGCCCCCACT  
TTTCGGACCTACCTCTCAGCAGAATATAACCTGGAGACCTCTGCCATGAGGGTCTGGAGTCTATAGAGA  
ATGCAGTGGACAACCTGGACTCCCGAGTGACAAGCACACAGTCATGGATATGTGCAGCCAGGCTTTTTG  
CCCTCCACTCAAGTTTGAAGTCCAGCCCCACATGGGGGATGAGGTCTGCCAGGTCAAGTGCACAGCAGCCT  
GTCCAGACAGAGCTGCTCATGCGGTACCACCAGCTGCAGTCCAGGCTGGCCACTCTCAAGATTGAGAATG  
AAGAGGTTTCGAAAACCTGGATGCCACCATGCAGACCTTACAGGACATGCTGACCGTGGAAAGACTTCGA  
TGTCTCTGACGCCTTCCAACACAGCCGATCTACAGAGTCCATAAAGTCAGCTGCTTCTGAGACCTACATG  
AGCAAAATCAACATCGCCAAAAGGAGAGCAACCAGCAGGAAACAGAAATGTTTTATTTTACAAAATTTA  
AAGAATATGTGAATGGCAGTAACCTCATACCAAGCTGCAAGCCAAGCATGACTTACTCAAGCAGACCT  
GGGTGAAGGGGAGAGAGCAGAGTGGCCAGCAGCAGGCCCTGTCTTCCCCTAAACCACAGAAAATG



[View online »](#)

AGGAGACCTAGGCCTCTTTCAGTGTATAGCCATAAACTCTTTAACGGCAGTATGGAAGCGTTCATTAAGG  
 ATTCAGGACAAGCTATACCACTTGTAGTTGAGAGCTGTATTTCGATTTCATCAATTTATATGGACTCCAGCA  
 GCAGGGGATCTTCAGAGTTCCAGGGTCTCAGGTTGAAGTCAATGACATCAAGAATTCCTTTGAGAGAGGT  
 GAAGACCCCTCGTGGATGACCAAAATGAGCGAGATATCAATTCAGTTGCTGGTGTTTTAAACTGTATT  
 TCCGAGGACTGAAAAACCACTCTTTCCTAAGGAAAGGTTTCAAGATTTGATATCTACTATTAACCTGGA  
 GAACCCAGCTGACAGGGTGCACCCAATCCAGCAGATCCTCATCACCTGCCCGCGTGGTCAATTGGTGC  
 ATGAGATACCTCTTTGCTTTCCTCAATCACCTTCCCAGTACAGTGTGAGAACATGATGGATCCCTACA  
 ACTTGGCCATCTGCTTCGGGCCACCCCTCATGCACATCCCCGATGGGCAGGACCCTGTATCCTGCCAGGC  
 GCATGTCAATGAAGTCATCAAACTATCATCATCCACCATGAAGCCATTTTCCCCAGCCCTCGGGAGCTA  
 GAGGGACCCGTGTACAAAAATGCATGGCTGGAGGGGAAGAGTACTGTGACAGCCACACAGTGAGCCGG  
 GGACCATGATGAAGTTGACCATGACAATGGCAGCGAGCCTCACACAGTGACGAAGAAGTGAGCAGAT  
 TGAGGCCATCGCCAAGTTTGACTATGTGGGGCGTCCCCTCGTGAATATCCTTCAAAAAAGGGCCCTCA  
 CTACTCTGTATACCGTGCCTCAGAGGACTGGTGGGAGGGCCGCCACAACGGTGTAGATGGACTCATCC  
 CTCATCAGTACATAGTTGTACAGGACATGGACGATGCCTTCTCCGATAGCCTGAGCCAAAAGGCTGACAG  
 CGAGGCCAGCAGTGGGCCACTGTGGATGACAAGGCCTTCCAAGAATGACCTCCAGTCCCCACAGAG  
 CACATCTCTGATTACGGCTTTGGGGGGTGTGGGCCGAGTGCGACTACGGTCCGACGGAGCAGCCATCC  
 CCAGGCGCCGAAGTGGGGGCGACACACAGCCACCCCGGGGCTTGGGTCCCAGCATAGACACGCCACC  
 CCGAGTGTGCTGCCCGCCAGCAGCCCCACAATAACCCCTCAGCCGGGGACGGATCGAGAGCCCTGAG  
 AAGAGAAGGATGGCGACTTTCGGGAGCGCTGGCAGTATCAACTACCCTGACAAGAAGGCGCTGACAGAAG  
 GGCTCTCCATGAGGTGACTTGGGTTCCACGCGACACAGCAGCCTAGGGGACCACAAGTCCCTGGAGGC  
 TGAGGCCCTGGCAGAAGACATCGAGAAGACCATGAGCACCCTCTGCATGAGTTGCGGAACTTGAGAGA  
 CAGAACACTGTCAAGCAGCACCAGATGTGGTGTGACACCCTGGAGCCCTGAAGAATCCACCAGGCC  
 CCATCAGCTCAGAGCCCGCCAGCCCCGTGCACACCATTGTATCCGAGACCCTGATGCTGTATGCGCCG  
 AAGCAGCAGCTCATCGACGGAGATGATGACCACCTTCAAGCCAGCCCTGTCAGCTCGCTGGTGGTCC  
 CAGCTGCTCCGCCCCCATGCTCCGGTCCAGCCTGTGGTTCAGCACCATCCAGCAGCAGCAGCAGCT  
 CAGGTGTGGGAGCCCGCAGTGACACCACGGAGAAGATGTTCCCTAATAGCTCCTCGGACAAGTCTGG  
 CACCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217119 representing NM\_080448  
 Red=Cloning site Green=Tags(s)

MSSQTKFKKDKKEIIAEYEAQIKEIRTQLVEQFKCLEQQSESRLQLLQDLQEFFRRKAEIELEYSRSLEKL  
 AERFSSKIRSSREHQFKKQYLLSPVNCWYLVLHQTRRESRDHATLNDIFMNNVIVRLSQISEDVIRLFK  
 KSKEIGLQMHHEELLKVTNELYVMKTYHMYHAESISAESKLKEAEKQEEKQFNKSGELSMNLLRHEDRPQ  
 RRSSVKKIEKMKEKRQAKYSENKLCCTKARNDYLLNLAATNAAISKYYIHDVSDLIDCCDLGFHASLART  
 FRTYL SAEYNLETSRHEGLDVIENAVDNLDSRSDKHTVMDMCSQVFCPPLKFEFQPHMGDEVQVSAQQP  
 VQTELLMRYHQLQSRLATLKIENEEVRKTLDATMQTLQDMLTVEDFDVSDAFQHSRSTESIKSAASET YM  
 SKINIARRANQQETEMFYFTKFEKEYVNGSNLITKLQAKHDLLKQTLGEGERAECGTRPPCLPPKPQKM  
 RRPRLSVYSHKLFNGSMEAFIKDSGQAIPLVVEESCIRFINLYGLQQQIFRVPQSQVEVNDIKNSFERG  
 EDPLVDDQNERDINSVAGVLKLYFRGLENLFPKERFQDLISTIKLENPADRVHPIQQILITLPRVVIVV  
 MRYLFAFLNHL SQYSDENMMDPYNLAICFGPTLMHIPDGQDPVSCQAHVNEVIKTI I IHHEAIFPSPREL  
 EGPVYEKCMAGGEEYCDSPHSEPGTIDEVDHDNGTEPHTSDEEVEQIEAIAKFDYVGRSPREL SFKKGS  
 LLLYHRASEDWWEGRHNGVDGLIPHQYIVVQDMDDAFSDLSQKADSEASSGPLLDDKASKNDLQSPTE  
 HISDYFGGVMGRVRLRSDGAAIPRRRSRSGDTHSPPRGLGPSIDTPPRAAACPPSPHKIPLSRGRIESPE  
 KRRMATFGSAGSINYPDKKALTEGLSMRSTCGSTRHSSLGDHKSLEAEALAEIEKTMSTALHELRELER  
 QNTVKQAPDVVLDLLEPLKNPPGPISSSEPASPLHTIVIRDPDAAMRRSSSSSTEMMTTFKPAL SARLAGA  
 QLRPPMPRPVPRVQHRSSSSSSSGVGSAPVTPTEKMFNPSSSDKSGTM

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_080448.4</a></u> , <u><a href="#">NP_536696.4</a></u>
<b>RefSeq Size:</b>	8887 bp
<b>RefSeq ORF:</b>	3300 bp
<b>Locus ID:</b>	259302
<b>UniProt ID:</b>	<u><a href="#">Q812A2</a></u>
<b>Cytogenetics:</b>	6 E3
<b>Gene Summary:</b>	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]