

## Product datasheet for **RR217473**

### Srgap3 (NM\_001191975) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Srgap3 (NM\_001191975) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Srgap3  
**Synonyms:** RGD1563152  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217473 representing NM\_001191975  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGGATCGCC

ATGTCATCTCAAACAAAGTTCAAGAAAGACAAAGAGATCATTGCTGAATATGAAGCCAAATAAAAGAGA  
TCCGCACGCAGCTGGTGGAGCAGTTCAAATGCCTGGAGCAGCAGTCAGAGTCGCGGCTGCAGCTGCTGCA  
AGACTTGCAGGAGTTCTCCGCAGGAAAGCTGAGATCGAGCTGGAGTATTCGCCGAGCCTGGAGAAGCTG  
GCCGAGCGCTTCTCTCCAAGATTCGAAGCTCCCGGGAGCACCAGTTCAAGAAGGATCAATACCTCTCT  
CACCTGTGAAGTGTGGTATCTGGTACTGCATCAGACTCGGCGGGAGAGCCGAGATCACGCCACCCTCAA  
TGACATCTTATGAACAATGTCATCGTCCGCTCTCCAGATCAGTGAAGATGTCATCAGACTCTTCAA  
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TGAAAACCTACCACATGTACCATGCAGAGAGCATCAGTGCAGAAAGCAAGCTGAAGGAGGCCGAGAAGCA  
GGAGGAGAAACAGTTTAAACAAGTCAGGAGACCTGAGCATGAACCTTCTCCGGCACGAGGACAGCCCCAG  
CGCCGACGCTCCGTGAAGAAGATTGAGAAGATGAAGGAGAAGAGGCAGGCCAAGTATTCTGAGAACAAAGC  
TCAAGTGCACAAAGGCCGAAATGACTACCTGCTGAATCTGGCAGCCACCAACGCAGCTATCAGCAAATA  
CTACATCCACGATGTCTCTGATCTCATCGATTGCTGTGATTTGGCTTTACGCCAGCCTGGCCCGCACC  
TTTCGGACCTACCTCTCAGCAGAATATAACCTGGAGACCTCTCGCCACGAGGGCCTGGACATCATAGAGA  
ATGCAGTGGACAACCTGGACTCCCGGAGTGACAAGCACACAGTCAAGGACATGTGCAGCCAGGTCTTCTG  
CCCTCCACTCAAGTTTGAGTTCAGCCCCACATGGGGATGAGGTCTGCCAGGTGAGTGCACAGCAGCCT  
GTCCAGACGGAGCTGCTTATGCGGTACCACCAGCTGCAGTCCAGGCTGGCCACTCTCAAGATTGAGAACG  
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GGGTGAAGGGGAGAGAGCAGAGTGCAGCACAACCAGGCCCTGTCTTCCCTTAAACACAGAAAATG  
AGGAGACCTAGGCCTCTTTCAGTGTATAGCCATAAACTCTTAAACGGCAGTATGGAAGCGTTCATTAAGG



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ATTCAGGACAAGCTATACCACTTGTAGTCGAGAGCTGTATTCGATTCATCAATTTATATGGACTCCAGCA  
 GCAGGGGATCTTCAGAGTTCAGGGTCTCAGGTTGAAGTCAATGACATCAAGAATTCCTTTGAGAGAGGT  
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 TCCGAGGACTGGAAAACCACTCTTTCTAAGGAAAGGTTTCAAGATTTGATATCTACTATTAACCTGGA  
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 TGAGGCCCTCGCAGAAGACATCGAGAAGACATGAGCAGCGCTTTCATGAGTTGCGGAACTTGAGAGA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217473 representing NM\_001191975  
 Red=Cloning site Green=Tags(s)

MSSQTKFKKDKKEIIAEYEAQIKEIRTQLVEQFKCLEQQSESRLQLLQDLQEFFRRKAEIELEYSRSLEKL  
 AERFSSKIRSSREHQFKDQYLLSPVNCWYLVLHQTRRESRDHATLNDIFMNNVIVRLSQISEDVIRLFK  
 KSKEIGLQMHEELLKVTNELYVMKTYHMYHAESISAESKLKEAEKQEEKQFNKSGDLSMNLRHEDRPQ  
 RRSSVKKIEKMKEKRQAKYSENKLCCTKARNDYLLNLAATNAAISKYYIHVDSDLIDCCDLGFHASLART  
 FRTYLSAEYNLETSRHEGLDIIENAVDNLDSRSDKHTVMDMCSQVFCPPLKFEFQPHMGDEVQVSAQQP  
 VQTELLMRYHLQSRALTKIENEEVRKTLDATMQLQDMLTVEDFDVSDAFQHSRSTESIKSAASETVM  
 SKINIARRRANQQETEMFYFTKFKKEYVNGSNLITKLQAKHDLLKQTLGEGERAECGTRPPCLPPKPQKM  
 RRRPRPLSVYSHKLFNGSMEAFIKDSGQAIPLVVEESCIRFINLYGLQQGIFRVPQSQVEVNDIKNSFERG  
 EDPLVDDQNERDINSVAGVCLKYFRGLENPLFPERFQDLISTIKLENPADRVHPIQQILITLPRVIVV  
 MRYLFAFLNHL SQYSDENMMDPYNLAICFGPTLMHIPDGQDPVSCQAHVNEVIKTIHHEAIFPSPREL  
 EGPVYEKCMAGGEEYCDSPHSEPGTIDEVDHNGTEPHTSDEEVEQIEAIAKFDYVGRSPREL SFKKGS  
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 HISDYFGGVMGRVRLRSDGAAIPRRRSGGDTHSPPRGLGPSIDTPPRAAACPPSPHKIPLSRGRIESPE  
 KRRMATFGSAGSINYPDKKALTEGLSMRSTCGSTRHSSLGDHKSLEAEALAEIEKTMSTALHELRELER  
 QNTVKQAPDVVLDLLEPLKNPPGISSEPASPLHTIVIRDPDAAMRRSSSSSTEMMTTFKPAL SARLAGA  
 QL RPPMPRPVPRVQHRSSSSSSGVSAPVTPTEKMFNPSSSDKSGTM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

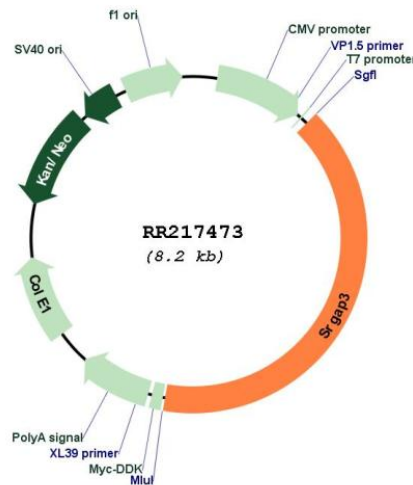
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001191975

ORF Size: 3297 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.

<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>NM_001191975.1, NP_001178904.1</u>
<b>RefSeq Size:</b>	3671 bp
<b>RefSeq ORF:</b>	3300 bp
<b>Locus ID:</b>	500287
<b>Cytogenetics:</b>	4q42
<b>MW:</b>	124.4 kDa