

## Product datasheet for **RR217466**

### Srgap1 (NM\_001191784) Rat Tagged ORF Clone

#### Product data:

|                          |  |
|--------------------------|--|
| Product Type:            | Expression Plasmids  |
| Product Name:            | Srgap1 (NM_001191784) Rat Tagged ORF Clone                                     |
| Tag:                     | Myc-DDK  |
| Symbol:                  | Srgap1   |
| Synonyms:                | RGD1566260   |
| Vector:                  | pCMV6-Entry (PS100001)   |
| E. coli Selection:       | Kanamycin (25 ug/mL)   |
| Cell Selection:          | Neomycin   |
| ORF Nucleotide Sequence: | >RR217466 representing NM_001191784<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCACCCGAGCAGATTCAAGAAGGACAAAGAGATCATAGCCGAGTATGAAAGTCAAGTCAAAGAAA  
TCCGAGCTCAGCTGGTAGAGCAACAAAAATGCCTGGAGCAGCAGACGGAGATGCGAGTTCAGCTGCTCCA  
GGACCTACAGGATTTCTCCGGAAGAAAGCCGAAATTGAGACCGAATATTCTCGGAACCTGGAGAAGCTG  
GCAGAAAGGTTTCATGGCCAAAACAAGAAGCACTAAGGACCATCAACAGTTCAAGAAAAGACCAGAACCTGT  
TGCTCCGGTGAAGTCTGGTATTTGCTCCTGAACCAAGTGAAGAGAGAGAGCAAAGACCACGCCACCTT  
GAGTGACATCTACCTGAACAACGTCATTATGCGGTTTCATGCAGATAAGCGAGGACTCCACCCGGATGTTT  
AAAAAGAGCAAAGAGATTGCATTCCAGCTGCACGAGGACTTAATGAAGGTTCTTAACGAGCTTTACACGG  
TGATGAAAACCTACCACATGTACCACTCGGAGAGCATCAGTGCAGAAAAGCAAGCTGAAAGAAGCCGAGAA  
ACAAGAGGAGAAGCAAAATGGGGAGATCTGGTGACCCCGTCTTCCACATTAGGCTAGAAGAGAGGCATCAG  
CGGCGGAGCTCTGTAAGAAAAATGAAAAAATGAAGGAAAAGAGACAAGCAAAATACTCAGAAAAACAAGC  
TGAAGTCGATCAAAGCACGCAACGAGTATCTCCTAACCTTGAAGCAACCAACGCCTCTGTGTTCAAGTA  
TTACATCCACGACCTTTTCGGACTTAATCGATTGCTGTGATCTCGGCTACCATGCAAGTCTGAACAGAGCC  
CTCAGAACATACCTCTCGGCGGAGTACAACCTTGAACCTCCAGACACGAAGGCTTAGACATCATTGAAA  
ATGCTGTGGACAATTTAGAGCCAAGAAGTGACAAGCAGAGATTTCATGGAGATGTACCCTGCGGCATTCTG  
CCCACCAATGAAATTTGAGTTTCAGTCTCACATGGGCGATGAGGTGTGTCAGGTGAGCGCCAGCAGCCC  
GTCCAGGCGGAACCTCATGCTCAGGAACCAACAGCTGCAGTCACGACTGGCCACGCTCAAGATCGAGAGCG  
AGGAGGTCAAGAAAACAACAGAAGCCACCCTCCAGACGATCCAAGATATGGTCACTATTGAGGACTACGA  
TGTGTCGAGTGCTTCCAGCACAGCCGATCCACAGAGTCTGTGAAGTCCACTGTGTGTAACCTATCTG  
AGTAAACCCAGCATCGCCAAGAGACGAGCTAACCAAGCAAGAACTGAGCAGTTCTACTTCATGAACTTC  
GAGAGTTCTGGAAGGAGTAGCCTCATCAAAAGCTCCAAGCTAAACAGCACTTCTGTCAGAGGACTCT  
TGGAGAAGGTCATAGAGCTGAATACATGACTACAAGGCCTCCAAACGTCACCCCTAAGCCCCAGAAACAC  
AGGAAGTCCAGGCCCGCTCCAGTATAATGCTAAGTTGTTAATGGGGATTTGGAGACATTCGTCGAAG



ACTCAGGCCAGGTTATCCCTCTCATTGTGGAAAGCTGCATCCGATTCATCAATCTCTATGGTCTTCAGCA  
 TCAGGGGATTTTCAGAGTGTCTGGTTCCAGGTGGAAGTGAACGATATCAAGAATCTTTTCGAGAGAGGT  
 GAGAATCTCTGGCCGATGACCAGAGCAACCATGATATTAACCTCTGTGGCCGGTGTCTGAAACTGTACT  
 TCCGTGGGTTGGAAAACCCCTCTTTCTAAGGAAAGGTTAACGACCTCATTCGTGTATCAGAATAGA  
 TAACCTCTATGAGAGGGCACTCCACATCCAAACTCCTCCTGACCTTCCCAGGTGAGTCCCTTATAGTG  
 ATGAGGTACCTGTTCCGCTTCTCAATCACCTCTCCAGTACAGTGACGAGAACATGATGGACCCCTTACA  
 ATCTGGCCATTTGCTTTGGCCCAACACTGATGCCAGTCCGAGTCCGAAATACAGGACCAAGTGTCTTCCAGGC  
 ACACGTGAACGAGATCGTGAAGACGATCATCATTATCACGAGACTATTTTCCCAGATGCGAAAGAACTG  
 GATGGCCCTGTGTACGAGAAATGTATGGCCGGAGGCGACTACTGCGACAGCCCATACAGTGAAGCATGGTA  
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 TCCGATAGCTATTTAGCCAGACAAGAAAGAGAGGAGAACCACCCCTCCGGGAAGAGTCTGGAAGGA  
 CCAGTGACGGCCATTGTCCCCTGCATCCCCACATGCTCTGTCTAACTCCTCGATTGATCTGGGATCCCC  
 AAACCTAACCGGTCAACCCAGGGGCTGTGTCAGAACCGTGGCCTCAACAATGACAGTCTGAGAGGCGA  
 CGCCGGCCGGCCATGGCAGCCTGACCAATATCAGCCGCATGACTCCCTCAAGAAGATAGACAGCCCTC  
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 AATTGCTCAGGATATTGAAGAGACCATGAATACGGCTTTGAACGAACTCCGTGAGCTGGAGAGGCAGAGC  
 ACAGTGAACACGCCCGGATGTCGTGCTAGACACCTTGAGCAAGTGAATAATCGCCACCCCTGCGA  
 CTTCCACAGAATCTCAGCCCGCTGCACAGCGTCAACCTCAGGAGCTCAGAGCCGACGCTTCCAGCGAG  
 CACCAGTCTCCAGCGATACAATGAGTACTTTCAAGCCTATGGTGGCACCCAGGATGGGTGTCCAGCTG  
 AAGCCCCAGCCCTTAGGCCAAAGCCTGTCTTCCAAAAACAACCCCTACTGTAGGACCTGCCGCAC  
 CTCCCAGGGTCCCACAGACAAGTCTTGCACGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR217466 representing NM\_001191784

Red=Cloning site Green=Tags(s)

MSTPSRFKDKKEIIAEYESQVKEIRAQLVEQQKCLEQQTEMRVQLQLDLQDFFRKKAIEIETYSRNLEKL  
 AERFMAKTRSTKDHQQFKKQDQNLSPVNCWYLLLNQVRRESKDHALSDIYLNIVIMRFMQISEDSTRMF  
 KKSKEIAFQLHEDLMKVLNELYVMKTYHMYHSEISAESKLEAEKQEEKQMGRSGDPVHFIRLEERHQ  
 RRSSVKKIEKMKEKRQAKYSENKLSIKARNEYLLTLEATNASVFKYYIHDLSDLIDCCDLGYHASLNRA  
 LRTYLSAEYNLETSRHEGLDIIENAVIDNLEPRSDKQRFMEMYPAAFPPMKFEFQSHMGDEVQVSAQQP  
 VQAEMLRNQQLQSRLATLKIIESEEVKKTTEATLQTIQDMVTIEDYDVSECFQHSRSTESVKSTVSETYL  
 SKPSIAKRRANQQETEQFYFMKLREFLEGSSITKLQAKHDLLQRTLGEHRAEYMTTRPPNVPPKPKKH  
 RKSRPRSQYNAKLFNGDLETFVKDQSGVIPLIVESCIRFINLYGLQHGGIFRVSGSQVEVNDIKNSFERG  
 ENPLADDQSNHDINSVAGVLLKLYFRGLENPLFPKERFNDLISIRIDNLYERALHIHKLTLPRSVLIV  
 MRYLFAFLNHLNQYSDENMMDPYNLAICFGPTLMPVPEIQDQVSCQAHVNEIVKTIIEHETIFPDAKEL  
 DGPVYEKCMAGGDYCDSPYSEHGTL EEVDQDAGTEPHTSEDECEPIEAIKFDYVGRSARELSFKKGASL  
 LLYHRASEDWWEGRHNGIDGLVPHQYIVVQDMDDTFSDTL SQKADSEASSGPVPEDKSSSKDMNSPTDRH  
 SDSYLARQKRGEPPPPGRRPGRTSDGHCPLHPPHALSNSIDLGSPNL TGHPRGLLQNRGLNNDSPERR  
 RRPGHGSLTNI SRHDSLKIDSPPIRRSTSSGQYTFGNHDKPLDPETIAQDIEETMNTALNELRELERQS  
 TVKHAPDVVLDLTLEQVKNSPTPATSTESLSPLHSVTLRSSEPLRRSTSSSDTMTSTFKPMVAPRMGVQL  
 KPPALRPKPAVLPKTNPTVGAAPSQGPDKSCTM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

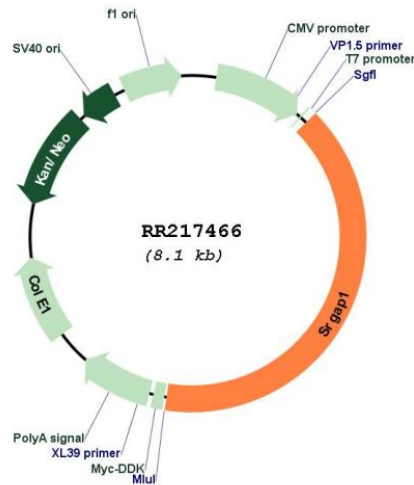
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001191784

ORF Size: 3255 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_001191784.1, NP_001178713.1</u>   |
| <b>RefSeq Size:</b>           | 3258 bp   |
| <b>RefSeq ORF:</b>            | 3258 bp   |
| <b>Locus ID:</b>              | 314903  |
| <b>Cytogenetics:</b>          | 7q22  |
| <b>MW:</b>                    | 124 kDa   |