

Product datasheet for **RC238347**

SRGAP2C (NM_001271872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRGAP2C (NM_001271872) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SRGAP2C
Synonyms:	SRGAP2P1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238347 representing NM_001271872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGTCTCCAGCCAAATTCAAAAAGGATAAGGAGATCATAGCAGAGTACGATACTCAGGTCAAAGAGA
 TCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGTGAGCTTCGGGTGCAACTGTTGCA
 GGACCTCCAGGACTTCTTCCGAAAGAAGGCAGAGATTGAGATGGACTACTCCCGAACCTGGAGAAGCTG
 GCAGAACACTTCTGGCCAAGACACGCAGCACCAAGGACCAGCAATTCAGAAGGATCAGAATGTTCTCT
 CTCCAGTCAACTGCTGGAATCTCCTCTTAAACCAGGTGAAGTGGGAAAGCAGGGACCATAACCACCTGAG
 TGACATCTACCTGAATAATATCATTCTCGATTGTACAAGTCAGCGAGGACTCAGGAAGACTCTTTAAA
 AAGAGTAAAGAAGTCGGCCAGCAGCTCCAAGATGATTTGATGAAGGTCTGAACGAGCTCTACTCGGTCA
 TGAAGACATATCACATGTACAATGCCGACAGCATCAGTGCTCAGAGCAAATAAGGAGGCGGAGAAGCA
 GGAGGAGAAGCAAATTGGTAAATCGGTAAAGCAGGAGGACCGGCAGACCCATGCTCCCCGACTCCACG
 GCCAACGTTTCGATTGAGGAGAAACATGTCCGGAGGAGCTCAGTGAAGAAGATTGAGAAGATGAAGGAGA
 AGCACCAAGCCAAGTACACGGAGAATAAGCTGAAGGCCATCAAAGCCCAGAATGAGTACTTGTGCTGCTT
 GGAGGCAACCAATGCATCTGTCTTCAAGTACTACATCCATGACCTATCTGACCTTATTGATTGTTGTGAC
 TTAGGCTACCATGCAAGTCTGAACCGGGCTCTACGCACCTTCTCTCTGCTGAGTTAAACCTGGAACAGT
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 CCTCATGGAGATGTACAACAACGTCTTCTGCCCCCTATGAAGTTTGAGTTTCAGCCCCACATGGGGAT
 ATGGCTTCCCAGCTCTGTGCCAGCAGCTGTCCAGAGTGAGCTGGTACAGAGATGCCAACAACTGCAGT
 CTCGCTTATCCACTCTAAAGATTGAAAACGAAGAGGTAAGAAGACAATGGAGGCCACCTGCAACCAT
 CCAGGACATTGTGACTGTGAGGACTTTGATGTGTCTGACTGCTCCAGTACAGCAACTCCATGGAGTCC
 GTCAAGTCCACGGTCTCTGAAACCTTCATGAGCAAGCCCAGCATTGCTAAGAGGAGGCCAACAGCAAG
 AGACAGAGCAGTTTTATTTCACAGTAAGGGAGTGCTATGGCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC238347 representing NM_001271872
 Red=Cloning site Green=Tags(s)

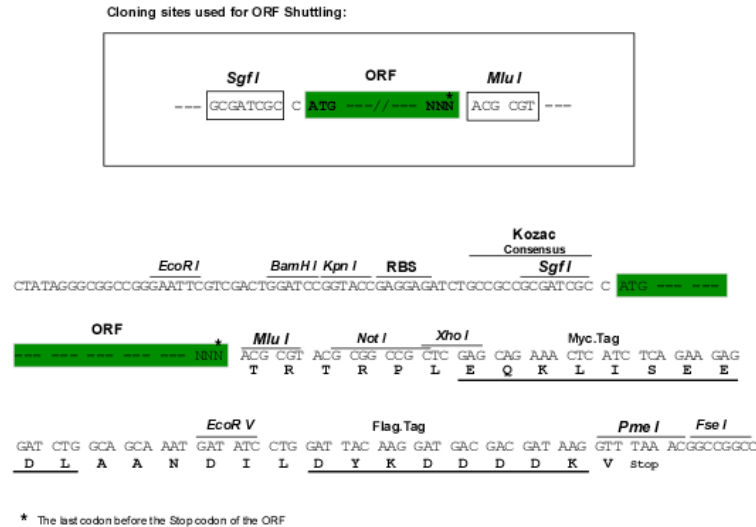
MTSPAKFKKDKEIIAEYDTQVKEIRAQLTEQMKCLDQQCELRVQLQLDLQDFRKKAEIEMDYSRNLEKL
 AEHFLAKTRSTKDQQFKKDQNVLSPVNCWNLLNQVKWESRDHTTSDIYLNNIIPRFVQVSEDSGRLFK
 KSKEVGQQLQDDLMKVLNELYSVMKTYHMYNADSI SAQSKLKEAEKQEEKQIGSVKQEDRQTPCSPDST
 ANVRIEEKHVRRSSVKKIEKMKEKHQAKYTENKLKAQNEYLLALEATNASVFKYYIHDLSDLIDCCD
 LGYHASLNRLRTFLSAELNLEQSKHEGLDAIENAVENLDATSDKQRLMEMYNNVFCPPMKFEFQPHMGD
 MASQLCAQPVQSELVQRCQQLQSRLSTLKIENEEVKKTMEATLQTIQDIQDVTVEDFDVSDCFQYSNSMES
 VKSTVSETFMSKPSIAKRRANQQETE QFYFTVRECYGF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



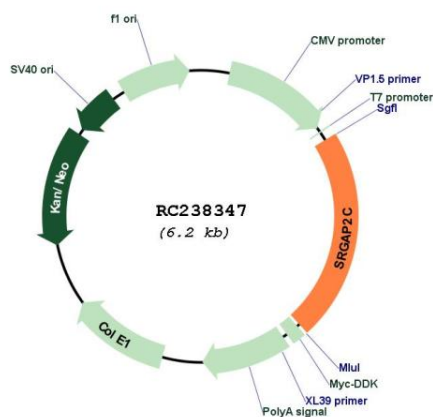
ACCN:	NM_001271872
ORF Size:	1374 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001271872.3
RefSeq Size:	3347 bp
RefSeq ORF:	1377 bp
Locus ID:	653464

Cytogenetics: 1p11.2

MW: 53.8 kDa

Gene Summary: This locus encodes a member of the SLIT-ROBO Rho GTPase activating protein family. This human-specific locus resulted from segmental duplication of the SLIT-ROBO Rho GTPase activating protein 2B locus. The encoded protein lacks the GTPase activating protein domain compared to proteins encoded by SLIT-ROBO Rho GTPase activating protein 2, and acts antagonistically to these proteins in cortical neuron development. [provided by RefSeq, Dec 2012]

Product images:



Circular map for RC238347