

Product datasheet for RC217925

SRGAP3 (NM_001033117) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRGAP3 (NM_001033117) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SRGAP3
Synonyms:	ARHGAP14; MEGAP; SRGAP2; WRP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC217925 representing NM_001033117 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGTCATCTCAAATAAGTTCAAGAAAGACAAAGAGATCATTGCTGAATATGAAGCCAAATAAAAGAGA
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AGGGGATCTTCAGAGTGCCAGGATCTCAGGTGGAAGTCAATGACATCAAAAATTCCTTTGAGAGAGGTGA
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 CCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC217925 representing NM_001033117

Red=Cloning site Green=Tags(s)

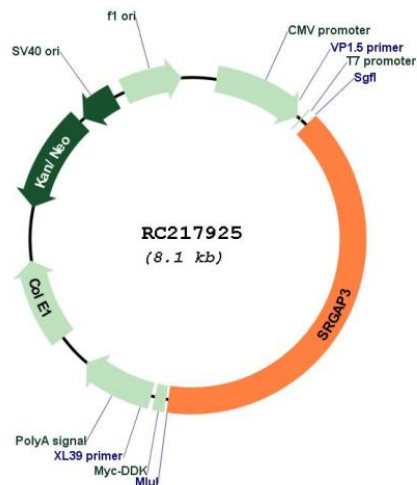
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 LAICFGPTLMHIDPDGQDPVSCQAHINEVIKTIIHHEAIFPSPRELEGPVYEKCMAGGEEYCDSPHSEPG
 AIDEVDHDNGTEPHTSDEEVEQIEAIAKFDYMGSRPREL SFKKGASLLL YHRASEDWWEGRHNGVDGLIP
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 VSSEPASPLHTIVIRDPDAAMRRSSSSSTEMMTTFKPALSARLAGAQLRPPMPRPVVPVQHRSSSSSSS
 VGSPAVTPTEKMFNPSSADKSGTM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


ACCN: NM_001033117

ORF Size: 3225 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:	<ol style="list-style-type: none">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:	<u>NM_001033117.3</u>
RefSeq Size:	8905 bp
RefSeq ORF:	3228 bp
Locus ID:	9901
UniProt ID:	<u>O43295</u>
Cytogenetics:	3p25.3
Protein Pathways:	Axon guidance
MW:	121.8 kDa
Gene Summary:	GTPase-activating protein for RAC1 and perhaps Cdc42, but not for RhoA small GTPase. May attenuate RAC1 signaling in neurons.[UniProtKB/Swiss-Prot Function]