

Product datasheet for **SC311492**

SRGAP2 (NM_001042758) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRGAP2 (NM_001042758) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRGAP2
Synonyms:	ARHGAP34; FNBP2; SRGAP2A; SRGAP3
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001042758, the custom clone sequence may differ by one or more nucleotides

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ATGACGCTCCAGCCAAATTCAAAAAGGATAAGGAGATCATAGCAGAGTACGATACTCAG
GTCAAAGAGATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGTGAG
CTTCGGGTGCAACTGTTGCAGGACCTCCAGGACTTCTCCGAAAGAAGGCAGAGATTGAG
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ACCAAGGACCAGCAATTCAGAAGGATCAGAATGTTCTCTCCAGTCAACTGCTGGAAT
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CTGAATAATATATTCCTCGATTGTACAAGTCAGCGAGGACTCAGGAAGACTCTTTAAA
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TACTCGGTGATGAAGACATATCACATGTACAATGCCGACAGCATCAGTGTCTCAGAGCAA
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CGGCAGACCCACGCTCCCCTGACTCCACGGCCAACGTTTCGATTGAGGAGAAACATGTC
CGGAGGAGCTCAGTGAAGAAGATTGAGAAGATGAAGGAGAAGCGTCAAGCCAAGTACACG
GAGAATAAGCTGAAGGCCATCAAAGCCCGAATGAGTACTTGCTGGCTTTGGAGGCAACC
AATGCATCTGTCTCAAGTACTACATCCATGACCTATCTGACCTATTGATCAGTGTGTG
GACTTAGGCTACCATGCAAGTCTGAACCGGGCTCTACGCACCTTCTCTCTGCTGAGTTA
AACCTGGAACAGTCGAAGCATGAGGGTCTGGATGCCATCGAGAATGCAGTAGAAAACCTG
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TCCGTCAAGTCCACGGTCTCTGAAACCTTCATGAGCAAGCCAGCATTGCTAAGAGGAGA
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GCCTTTGAGAGAGGAGAGACCCCTGGCTGGGGACCAGAACGACCATGACATGGATTCC
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ATCTTTCATGACCTGATGGCCTGCGTACAATGGACAACCTGCAGGAGAGAGCTCTGCAC
ATCCGGAAAAGTCTCCTAGTCTGCCAAAACCTCTGATTATCATGAGATACCTCTTT
GCCTTCTCAATCATTTATCACAGTTCAGTGAAGAGAACATGATGGACCCCTACAACCTC
GCCATCTGCTTCGGGCCCTCGCTAATGTGTCAGTGCCAGAGGGCCACGACCAGGTGTCCTGC
CAAGCCCACGTGAATGAGCTGATCAAAACCATCATCATCCAGCATGAGAACATCTTCCCA
AGCCCCAGGGAGCTGGAGGGCCCTGTCTACAGCAGAGGAGGAAGCATGGAGGATTACTGT
GATAGCCCTCATGGAGAGACTACCTCGGTTGAAGACTCAACCCAGGATGTGACCCGAGAG
CACCACACGAGCGATGACGAATGTGAGCCCATCGAGGCCATTGCCAAGTTTGACTACGTG
GGCCGGACAGCCCGAGAGCTGTCTTTAAGAAGGGAGCATCCCTGCTGCTTTACCAGCGG
GCTTCCGACGACTGGTGGAAAGGCCGCAATGGCATCGACGGACTCATCCCCATCAG
TACATCGTGGTCCAAGACACCGAGGACGGTGTGCTGGAGAGGTCCAGCCCCAAGTCTGAG
ATTGAGGTCAATTTCTGAGCCACCTGAAGAAAAGGTGACAGCCAGAGCGGGGGCCAGCTGT
CCCAGTGGGGTTCATGTAGCCGATTTTATCTTGCAAACATCAACAAGTAA

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Restriction Sites: Please inquire
ACCN: NM_001042758

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001042758.1, NP_001036223.1</u>
RefSeq Size:	3714 bp
RefSeq ORF:	2511 bp
Locus ID:	23380
Cytogenetics:	1q32.1
Protein Pathways:	Axon guidance
Gene Summary:	<p>This locus encodes a member of the SLIT-ROBO Rho GTPase activating protein family. The encoded protein stimulates GTPase activity of Rac1, and plays a role in cortical neuron development. This locus has several paralogs on human chromosome 1 resulting from segmental duplication. While this locus itself is conserved among various species, the paralogs are found only in the genus Homo, and not in the genomes of non-human great apes. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) lacks two exons in the 3' coding region and differs in the 3' UTR, compared to variant 1. The resulting isoform (b) is shorter at the C-terminus, compared to isoform a.</p>