

Product datasheet for **RG239566**

SRGAP2 (NM_001300952) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRGAP2 (NM_001300952) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SRGAP2
Synonyms:	ARHGAP34; FNBP2; SRGAP2A; SRGAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239566 representing NM_001300952.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGACGTCTCCAGCCAAATTCAAAAAGGATAAGGAGATCATAGCAGAGTACGATACTCAGGTCAAAGAG
ATCCGTGCTCAGCTCACAGAGCAGATGAAATGCCTGGACCAGCAGTGTGAGCTTCGGGTGCAACTGTTG
CAGGACCTCCAGGACTTCTTCCGAAAGAAGGCAGAGATTGAGATGGACTACTCCCGCAACCTGGAGAAG
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CTCTCTCCAGTCAACTGCTGGAATCTCCTCTTAAACCAGGTGAAGCGGAAAGCAGGGACCATAACCACC
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TCGGTGATGAAGACATATCACATGTACAATGCCGACAGCATCAGTGCTCAGAGCAAATAAAGGAGGCG
GAGAAGCAGGAGGAGAAGCAAATGGTAAATCGGTAAGCAGGAGACCAGGACCCACGCTCCCT
GACTCCACGGCCAACTCGCATTGAGGAGAAACATGTCCGGAGGAGCTCAGTGAAGAAGATTGAGAAG
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CACATCCGAAAGTCTCCTAGTCTGCCAAAACCACTCTGATTATCATGAGATACCTCTTTGCCTTC
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GCTTCCGACGACTGGTGGGAAGCCGGCACAATGGCATCGACGGACTCATCCCCATCAGTACATCGTG
GTCCAAGACACGTTGATATCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239566
Blue=ORF Red=Cloning site Green=Tag(s)

MTSPAKFKKDKKEIIAEYDTQVKEIRAQLTEQMKCLDQQCELRVQLLQDLQDFFRKKAEIEMDYSRNLEK
LAERFLAKTRSTKDQQFKKQNVLSVNCWNLNNOVKRESRDHTTSDIYLNIIIPRFVQVSEDSGRL
FKKSKEVGQQLQDDLKVLNELYSVMKTYHMYNADSI SAQSKLKEAEKQEEKQIGKSVKQEDRQTPRSP
DSTANVRIEEKHVRSSVKKIEKMKERQAKYTENKKAIAKARNEYLLALEATNASVFKEYIHDLSDLI
DCCDLGYHASLNRALRTFLSAELNLEQSKHEGLDAIENAVENLDATSDKQRLMEMYNNVFCPPMKFEFQ
PHMGDMASQLCAQQPVQSELVQRCQQLQSRLSTLKIENEEVKKTMEATLQTIQDITVEDFDVSDCFQY
SNSMESVKSTVSETFMSKPSIAKRRANQQETEYFYFTKMKEYLEGRNLITKLQAKHDLLQKTLGESQRT
DCSLARRSSTVRKQDSSQAIPLVVESCIRFISRHGLQHEGIFRVSGSQVEVNDIKNAFERGEDPLAGDQ
NDHDMDSIAGVLKLYFRGLEHPLFPKDIHFHDLMACVTMDNLQERALHIRKVLVLPKTTLIIMRYLFAF
LNHLSQFSEENMDPYNLAICFGPSLMSVPEGHDQVSCQAHVNELIKTIIIQHENIFPSPRELEGPVYS
RGGSMEDYCDSPHGETTSVEDSTQDVTAEHHTSDDECEPIEAIKFDYVGRTARELSFKKGASLLLYQR
ASDDWWEGRHNGIDGLIPHQYIVVQDTLIS

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY

Restriction Sites: SgfI-MluI

RefSeq: [NM_001300952.2](#)

RefSeq Size: 4932 bp

RefSeq ORF: 2370 bp

Locus ID: 23380

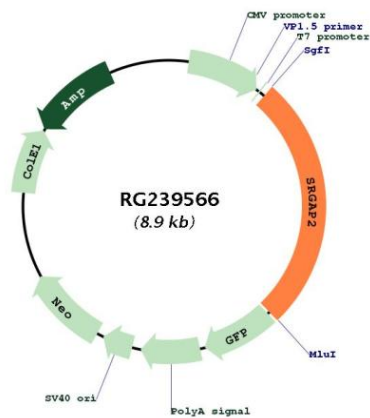
Cytogenetics: 1q32.1

Protein Pathways: Axon guidance

MW: 91.4 kDa

Gene Summary: 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]

Product images:



Circular map for RG239566