

Product datasheet for **RG229293**

SLI (SHC2) (NM_012435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLI (SHC2) (NM_012435) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLI
Synonyms:	SCK; SHCB; SLI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229293 representing NM_012435
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGCAGGGTCCGGGCGGGCGCGCCCGCGCCCGCGCCCGAGCCCGAGGCGCCACCA
 CCTTCTGCGCGTTGCTGCCCCGAATGCCGAGTGGAAATTGCGCGCCCGGGCGGCTTCTGGGCCGCGG
 CCGGCGGCGGCGGGCGGCTGGGGCTCGGGGGCGCGGACCCCAACCCGAGCCGGCGGGCCCGGGG
 GGCGTCCCGCGCTGGCGGCCGCGTCTGGGCGCCTGCGAGCCCGCTGCGCCGCGCCCTGTCCCTGC
 CCGCGCTCAGCCGCTGTGGGGCGGGGTGCGGGGGTGCAGGGCGGGGGGGCGGGGTCCGG
 GGACGCCCGCCCGCCGAGTGGATCCGGAAGGGCAGCTTCATCCACAAACCCGCGCACGGCTGGCTA
 CACCCCGACGCCAGGTCTGGGCCCGGGTCTCCTACGTCGTGCGGTACATGGCTGCATCGAGGTTT
 TCCGCTCTATGCGCTCCCTGGACTTTAACACGCGCACGAGTGACCAGGGAAGCCATCAACCGGCTCA
 TGAGGCCGTGCCGTGGCGTCCGGGATCCTGGAAGAAAAGGCCCAACAAGCCCTGGCGTCCGTCCTG
 GGCAAGAGCAACCTTCGCTTTGCCGGCATGAGCATCTCCATCCACATCTCCACTGATGGCCCTCAGCCTCT
 CCGTGCCTGCCACGCGCCAGGTATCGCAACCACCACATGCCGTCCATCTCCTTCGCGTCAAGCGGAGA
 CACGGACATGACGGATTACGTGGCTACGTGCGCAAGGACCCCATCAACCAGAGAGCCTGCCACATCCTG
 GAGTGTGTGAGGGCCTGGCACAGAGCATATCAGCACCGTGGGCAAGCTTTCGAGCTGCGCTTCAAGC
 AGTACCTGCACAGCCCGCCAAGGTGGCGCTGCCCCAGAAAGGCTGGCAGGGCCGGAGGAGTGGCCTG
 GGGGACGAGGAGGACTTTGGAGCACAATTACTACAACAGCATCCCGGGAAGGAGCCCGCTGGGCG
 GGGTACTGGACTCCAGGCTGGCCCTGACACAGCCCTGCGCCCTCACGGCCCTGACCGGGCCATCTC
 TTCTCTAAGAGATGCCGACCGCTGCCATGGGACGTGGGTCACCGGTACAGCTCCACCGGGGACCGG
 CTACGTGCAGGGGACGCCCCGGGCCCGGACACGAGGAGCACCTGTATGTCAACACCCAGGGTCTG
 GACGCCCCGAGCCGGAGGACAGCCCCAAAAGGATCTGTTTGACATGCGACCCTTGGAGATGCCCTGA
 AGTTGCATGAGTGCTCAGTGGCGCAGGCGTGACAGCAGCCCTTCCCTTGGAGGACCAGTGGCCAG
 CCCCCCTACCGCCGGGCCCTGTGGCCCCACGGAGAACAGCTGCGTCAGGAGCCCTGGTACCACGGC
 CGGATGAGCCGCCGGCGGCGAGAGGATGCTTCGAGCTGACGGGGACTTCTTGTGCGAGACAGCGTCA
 CCAACCCCGGCGAGTATGCTCCTACCGGCATGCACGCCGGCAGCCCAAGCACCTGCTGCTGGACCC
 CGAGGGCGTGGTACGGACGAAGGACGTGCTGTTTGAGAGCATCAGCCACCTGATCGACCACCACCTGCAG
 AACGGGACGCCATCGTGCCCGGAGAGTGAGCTGCACCTGCGTGGCGTGGTCTCACGGGAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG229293 representing NM_012435
 Red=Cloning site Green=Tags(s)

MTQPGGRAPPAPPAPPEPEPTTFCALLPRMPQWKFAAPGGFLGRGPAARAAGASGGADPQPEPAGPG
 GVPALAAAVLGACEPRCAAPCLPALSRCRGAGSRGSRGGRGAAGSGDAAAAAEWIRKGSFIHKPAHGWL
 HPDARVLGPGVSYVRYMGIEVLRSMRSLDFNTRTQVTREAINRLHEAVPGVRSWKKKAPNKALASVL
 GKSNLRFAGMSISIHISTDGLSLVQATRQVIANHHMPSISFASGGDTDMTDYVAVYAKDPINQRACHIL
 ECCEGLAQSIISTVQAFELRFKQYLHSPPKVALPPERLAGPEESAWGDEEDSLEHNYNSIPGKEPPLG
 GLVDSRLALTQPCAL TALDQGPSPLRDACSLPVDVGTGAPPGDGYVQADARGPPDHEEHL YVNTQGL
 DAPEPEDSPKKDLFDMRPFEDALKLHECSVAAGVTAAPLPLEDQWPSPPTRRAPVAPTEEQLRQEPWYHG
 RMSRRAAERMLRADGDFLVRDSVTNPGQYVLTGMHAGQPKHLLLVDPEGVVVRTKDVLFESISHLIDHHLQ
 NGQPIVAAESELHLRGVVSREP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012435

ORF Size: 1746 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM_012435.2](#), [NP_036567.2](#)

RefSeq Size: 2509 bp

RefSeq ORF: 1749 bp

Locus ID: 25759

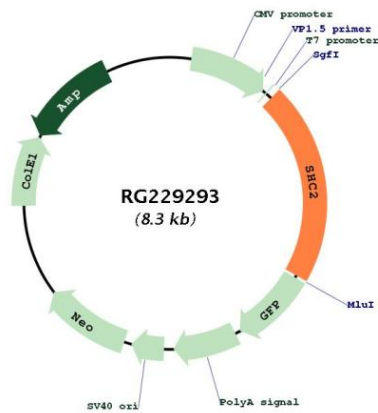
UniProt ID: [P98077](#)

Cytogenetics: 19p13.3

Protein Pathways: Chemokine signaling pathway, Chronic myeloid leukemia, ErbB signaling pathway, Focal adhesion, Glioma, Insulin signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, VEGF signaling pathway

Gene Summary: Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG229293