

## Product datasheet for **RC229293**

### 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:	Myc-DDK
Symbol:	SLI
Synonyms:	SCK; SHCB; SLI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC229293 representing NM\_012435  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGCAGGGTCCGGGCGGGCGCGCCCGCGGCCCGCGCCCGAGCCCGAGGCGCCACCA  
 CCTTCTGCGCGTTGCTGCCCGAATGCCGAGTGGAAATTGCGCGCCCGGGCGGCTTCTGGGCCGCGG  
 CCGGCGGCGGCGGGCGGCTGGGGCTCGGGGGCGCGGACCCCAACCCGAGCCGGCGGGCCCGGGG  
 GGCGTCCCGCGCTGGCGGCCGCGTCTGGGCGCTGCGAGCCCGCTGCGCCGCGCCCTGTCCCTGC  
 CCGCGCTCAGCCGCTGTGGGGCGGGGTGCGGGGGTGCAGGGCGGGGGGGGGGGGGGGGGTCCGG  
 GGACGCCCGCCCGCCGAGTGGATCCGGAAGGGCAGCTTCATCCACAAACCCGCGCACGGCTGGCTA  
 CACCCCGACGCCAGGTCTGGGCCCGGGTCTCCTACGTCGTGCGGTACATGGCTGCATCGAGGTTT  
 TCCGCTCTATGCGCTCCCTGGACTTAAACACGCGCACGAGTGACCAGGGAAGCCATCAACCGGCTCA  
 TGAGGCCGTGCCGTCGGGATCCGGAAGAAAAGGCCCAACAAGCCCTGGCGTCCGCTCTG  
 GGCAAGAGCAACCTTCGCTTTGCCGGCATGAGCATCTCCATCCACATCTCCACTGATGGCCCTCAGCCTCT  
 CCGTGCCTGCCACGCGCCAGGTATCGCAACCACCACATGCCGTCATCTCTTCGCGTCAGGCGGAGA  
 CACGGACATGACGGATTACGTGGCTACGTGCGCAAGGACCCATCAACCAGAGAGCCTGCCACATCCTG  
 GAGTGTGTGAGGGCCTGGCACAGAGCATATCAGCACCGTGGGCAAGCTTTCGAGCTGCGCTTCAAGC  
 AGTACCTGCACAGCCCGCCAAGGTGGCGCTGCCCCAGAAAGGCTGGCAGGGCCGGAGGAGTGGCCCTG  
 GGGGACGAGGAGGACTTTGGAGCACAATTACTACAACAGCATCCCGGGAAGGAGCCCGCTGGGCG  
 GGGTATGAGTCCAGGCTGGCCCTGACACAGCCCTGCGCCCTCACGGCCCTGACCCAGGGCCCATCTC  
 TTCTCTAAGAGATGCCGACCGCTGCCATGGGACGTGGGTCACCGGTACAGCTCCACCGGGGACGG  
 CTACGTGCAAGGGGACGCCCGGGGCCCGCGGACACGAGGAGCACCTGTATGTCAACACCCAGGGTCTG  
 GACGCCCGGAGCCGAGGACAGCCCAAAAAGGATCTGTTTGACATGCGACCCTTGGAGATGCCCTGA  
 AGTTGCATGAGTGCTCAGTGGCGCAGGCGTGACAGCAGCCCTTCCCTTGGAGGACCAGTGGCCAG  
 CCCCCCTACCGCCGGGCCCTGTGGCCCCACGGAGAACAGCTGCGTCAGGAGCCCTGGTACCACGGC  
 CGGATGAGCCCGGGCGGCGAGAGGATGCTTCGAGCTGACGGGGACTTCTTGTGCGAGACAGCGTCA  
 CCAACCCCGGCGAGTATGCTCCTACCGGCATGCACCGGGCAGCCCAAGCACCTGCTGCTCGTGGACCC  
 CGAGGGCGTGGTACGGACGAAGGACGTGCTGTTTGAGAGCATCAGCCACCTGATCGACCACACCTGCAG  
 AACGGGACGCCATCGTGCCCGGAGAGTGAGCTGCACCTGCGTGGCGTGGTCTCACGGGAGCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC229293 representing NM\_012435  
 Red=Cloning site Green=Tags(s)

MTQGPGRAPPAPPAPPEPEPTTFALLPRMPQWKFAPGGFLGRGPAAARAAGASGGADPQPEPAGPG  
 GVPALAAAVLGACEPRCAAPCLPALSRCRGAGSRGSRGGRGAAGSGDAAAAAEWIRKGSFIHKPAHWL  
 HPDARVLGPGVSYVRYMGIEVLRSMRSLDFNTRTQVTREAINRLHEAVPGVRSWKKKAPNKALASVL  
 GKSNLRFAGMSISIHISTDGLSLVSPATRQVIANHHMPSISFASGGDTMDTYVAVYAKDPINQRACHIL  
 ECCEGLAQSIISTVGFELRFKQYLHSPKVALPPERLAGPEESAWGDEEDSLEHNYNSIPGKEPPLG  
 GLVDSRLALTQPCAL TALDQGPSPLRDACSLPVDVGTGAPPGDYVQADARGPPDHEEHLVNTQGL  
 DAPEPEDSPKDLFDMRPFEDALKLHECSVAAGVTAAPLPLEDQWSPPTRRAPVAPTEEQLRQEPWYHG  
 RMSRRAAERMLRADGDFLVRDSVTNPGQYVLTGMHAGQPKHLLLVDPEGVVRTKDVLFESISHLIDHHLQ  
 NGQPIVAESELHLRGVVSREP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8035\\_f07.zip](https://cdn.origene.com/chromatograms/mk8035_f07.zip)

**Restriction Sites:**

Sgfl-Mlul

**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](mailto: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 ORF: 1749 bp

Locus ID: 25759

UniProt ID: [P98077](#)

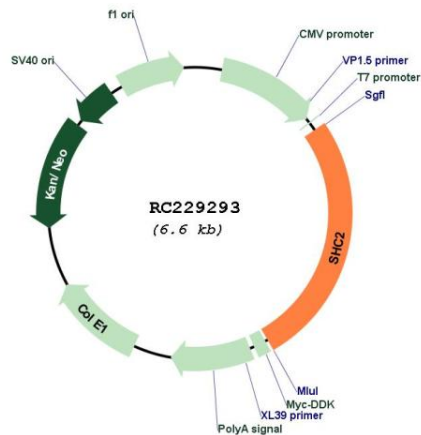
Cytogenetics: 19p13.3

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

MW: 61.7 kDa

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 RC229293