

Product datasheet for **SC327928**

SLI (SHC2) (NM_012435) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLI (SHC2) (NM_012435) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHC2
Synonyms:	SCK; SHCB; SLI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012435, the custom clone sequence may differ by one or more nucleotides

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ATGACGCAGGGTCCGGGCGGGCGCGCCCCGGGCGCCCCCGCGCCCCCGAGCCCGAG
GCGCCACACCTTCTGCGCGTTGCTGCCCCGAATGCCGAGTGAAGTTCGCGGGCCCG
GGCGGCTTCTGGGCCGCGGCCGGCGGGCGGGCGGCTGGGCTCGGGGGGCGCG
GACCCCAACCCGAGCCGGCGGGCCCGGGGGCGTCCCGGCGTGGCGGGCCCGTCTG
GGCGCTGCGAGCCCGCTGCGCCGCGCCCTGTCCCCTGCCGCGCTCAGCCGCTGTCG
GGCGGGGTTCGCGGGGGTTCGCGGGGCGGGCGGGGGGCGCGGGTTCGGGGACGCGCC
GCCCGCCGAGTGGATCCGGAAGGGCAGCTTCATCCACAAACCCGCGCACGGCTGGCTA
CACCCGACGCCAGGGTCTGGGGCCCGGGTCTCCTACGTCGTGCGGTACATGGGCTGC
ATCGAGGTTCTCCGCTCTATGCGCTCCCTGGACTTTAACACGCGCACGAGTGACCAGG
GAAGCCATCAACCGGCTCCATGAGGCCGTGCTGGCGTCCGGGGATCCTGGAAGAAAAG
GCCCCCAACAAGGCCCTGGCGTCCGTCTGGGCAAGAGCAACCTTCGCTTTCGGCGATG
AGCATCTCCATCCACATCTCCACTGATGGCCTCAGCCTCTCCGTGCTGCCACGCGCCAG
GTCATCGCCAACCACCATGCCGTCCATCTCCTTCGCGTCAGGGGAGACACGGACATG
ACGGATTACGTGGCCTAGTTCGCAAGGACCCCATCAACCAGAGAGCCTGCCACATCCTG
GAGTGCTGTGAGGGCCTGGCACAGAGCATCATCAGCACCGTGGGCCAAGCTTTCGAGCTG
CGCTTCAAGCAGTACCTGCACAGCCCGCCAAGGTGGCGTGCSCCAGAAAGGCTGGCA
GGGCGGAGGAGTTCGGCTGGGGGACGAGGAGGACTCTTTGGAGACAATTAACAAC
AGCATCCCGGGGAAGGAGCCGCGCTGGGCGGGTACTGGACTCCAGGCTGGCCCTGACA
CAGCCCTGCGCCCTCACGGCCCTCGACCAGGGCCCATCTCCTTCTAAGAGATGCCTGC
AGCCTGCCATGGACGTGGGGTCCACCGGTACAGCTCCACCGGGGACGGCTACGTGCAG
GCGGACGCCCGGGGCCCGCCGACACGAGGAGCACCTGTATGTAACACCCAGGCTCTG
GACGCCCCGAGCCGGAGGACAGCCCCAAAAGGATCTGTTTGACATGCGACCCTTTGAG
GATGCCCTGAAGTTGCATGAGTGCTCAGTGGCGCAGGCGTGACAGCAGCCCTCTTCCC
TTGAGGAGCAGTGGCCAGCCCCCTACCCGCGGGCCCTGTGGCCCCACGGAGGAA
CAGCTGCGTCAGGAGCCCTGGTACCACGGCCGGATGAGCCGCGGGCGGCAGAGAGGATG
CTTCGAGCTGACGGGACTTCTTGTGCGAGACAGCGTACCAACCCGGGCAGTATGTC
CTACCCGCGATGCACGCCGGCAGCCCAAGCACCTGCTGCTGCGTGGACCCCGAGGGCGTG
GTACGGACGAAGGACGTGCTGTTTGAGAGCATCAGCCACCTGATCGACCACCATGCGAG
AACGGGACGCCATCGTGCCCGGAGAGTGAGCTGCACCTGCGTGGCGTGGTCTCACGG
GAGCCC
    
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Restriction Sites: Please inquire

ACCN: NM_012435

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 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_012435.2</u> , <u>NP_036567.2</u>
RefSeq Size:	2509 bp
RefSeq ORF:	1749 bp
Locus ID:	25759
UniProt ID:	<u>P98077</u>
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]