

Product datasheet for **MC219220**

Shc2 (NM_001024539) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Shc2 (NM_001024539) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Shc2 |
| Synonyms: | 6720466E06; SCK; ShcB; Sli |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC219220 representing NM_001024539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCAGGGTCCGGTGGCCGCGCGCCCGAGCCGAGGGCGCCACCACCTTCTGCGCACTGCTGC
 CGCGGATGCCGAGTGAAGTTCGACAGCGCCGGTAGCTTCTGGGCCGCGGTCCCGCGCGACGCGCGT
 GGCGGGGTGGCAGAGCGCAGCCGGAGCCGGGTCCCGCGCTGGCCGCTGTGTTGGGCGCTTGC
 CCGCGCTGCGCCGCGCCCTGTCCGCTGCCCGCGCTCGGCCGCTGCCGGGCTCGGGGACGCGGGGCGCG
 GGGTACTCCGGATGTCGCTGACGAGTGGGTGCGCAAGGGCGGCTTCATTACAAGCCGCGCACGGCTG
 GTTGCATCCCGATGCCAGGGTCTGGGGCCGGGTCTTTACATCGTTCGGTACATGGCTGCATTGAG
 GTGCTTCGATCCATGCGCTCCCTGGATTTCAACACCCGAACACAGGTGACGAGGGAAGCCATCAATCGG
 TCCATGAGGCTGTGCCGGTGTCCGGGCTCCTGGAAGAAGAAGGCCCAACAAGGCTCTGGCCTCCAT
 CTTGGGAAAAGCAACCTGCGCTTCGCCGGCATGAGCATCTCAGTCAACATCTCCGTGGACGGCCTAAC
 TTGTCTGTTCCCGCCACCGCCAGATCATCGCCAACCATCATATGCAGTCTATTTCCCTTCGCTCGGGT
 GTGACACGGACATGACTGATTACGTGGCCTATGTGGCCAGGACCCCATCAACCAGAGAGCTGCCACAT
 CTTGGAATGCTGTGAAGTCTTGCCAGAGCGTCATCAGCACCGTAGGGCAAGCCTTTGAGCTGCGCTTC
 AAGCAATACCTGCACAGTCCGCCAAGGCGGTAGTGCCCTGAAAGGCTGACTGGGCTGGAGGAGTTGG
 CCTGGGAGATGATGACGCTGCTGCAGACCACAATTAACAACAGCATTCCGGGAAAGGAGCCACCCCT
 GGGCGGCTGGTGGACTCCAGACTGGCTGTACACAGCCCTGTGCGTGGCGACTCGGGGCTTGG
 CAGGGAATGACACCAGTATGGAGAGATGCCCGTGGCTTGCTTGGGACATGGGCCCTCTGGAGCAGCC
 CACCGGGGATGGTACGTGCAGGCAGATGCCGAGGGCCACATGACTACGAGGAGCACCTGTATGTCAA
 TACCCAGGGCCTGGATGCTGTGGAGCTTGAGGACACCGCCGAGGCACCTCTGCAGTTGAGGACAGCCCC
 AAGAAGGACCTGTTTGACATGCGACCCTTTGAAGATGCCTGAAGTTGCACGCGTGTCTAGTGGCAGCCG
 GCATCACTGCAGCCTCACCCCTCTGGAAGACCAGTGGCCAGTCCCTTACCCGAGGGCCCCCATTGC
 ACCACAGAGGAGCAATTGAGGCAGGAGCCCTGGTACCACGGACGAATGAGCCGTCGGGCTGCAGAGAAG
 CTGCTTCGGGCCGATGGGACTTCTTGTGAGAGACAGCGTCACCAACCCGGGGCAGTATGCTCTCACGG
 GCATGCATGCGGGCAGCCCAAGCACCTGCTGCTGGTGGACCCGAGGGTGTGGTGGGACGAAAGATGT
 GTTGTGTTGAGAGCATCAGCCACCTCATAGACTATCACCTGAAGAATGGGCTGCCTATCGTGGCTGCTGAG
 AGCGAGCTGCATCTGCGGGGAGTGGTCTCTCGGGAGCCATGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001024539

Insert Size: 1722 bp

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).

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_001024539.1](#), [NP_001019710.1](#)

RefSeq Size: 3974 bp

RefSeq ORF: 1722 bp

Locus ID: 216148

UniProt ID: [Q8BMC3](#)

Cytogenetics: 10 39.72 cM

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.[UniProtKB/Swiss-Prot Function]