

Product datasheet for **MC216480**

Shc3 (NM_009167) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shc3 (NM_009167) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shc3
Synonyms:	N-Shc; Rai; ShcC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216480 representing NM_009167
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGCCACCAGGAAGAGCCGGGCCGCGCAGCAGCCACTGCCAGGCCCCCTCGGGGCGCCCGCACA
 CCAGCGATCAGGTGCTGGGGCCGGGAGTACCTATGTGGTCAAGTACTTGGGCTGCATCGAAGTTCTGCG
 CTAATGAGGTCTCTTGACTTCAGTACAAGAACTCAGGTTACCAGGAAGCCATCAGCCGTGTCTGCGAA
 GCTGTGCCAGGTGCCAAAGGAGCCCTCAAGAAGAGAAAGCCGCCGAGTAAGATGCTGTCCAGCATCTGG
 GGAAGAGCAACCTCCAGTTCGCAGGGATGAGCATCTCCCTGACCATCTCCACCGCCAGCCTGAATCTGCG
 CACTCCTGACTCCAAACAGATCATAGCGAACCATCATATGCGGTCTATCTCTTTTGCCTCAGGGGGAGAC
 CCGGACACAACGGACTATGTTGCCTATGTCGTAAGGACCCTGTCAATCGCAGAGCTTGCCACATCTGG
 AATGCTGTGACGGCTAGCCCAAGATGTCATTGGCTCCATCGGACAAGCCTTTGAACTCCGGTTCAAACA
 GTATTTGCAGTGCCTTCCAAGTTCTGCCCTCCAGGACCGAATGCAGAGTCTGGATGAGCCATGGACT
 GAAGAAGAGGGAGATGGCCCTGATCACCCATACTACAACAGCGTTCCACCAAGATGCCTCCCCAGGGG
 GTTTTCTGGATGCTCGATTGAAAGGCAGACCCACGCTCCTGAGGCAGCCAGTTTGCAGAAAAGAGCA
 AACTTATTACCAGGAAGACACTTAGGAGATACATTTGGTGAAGACTGGCAGCGAGCACCCACCAGGCAA
 GGCTCCTTGGACATCTATAGCACAGCAGAAGGGAAAACACATGGTTCTCTGTAGGAGAAACACCAACCT
 ATGTCAACACCCAGCCAGTCCCACCACAGGTGTGGCCAGCAGCAACCAGCAGCACTGAGAGCAGCCACG
 GAAGGACCTCTTTGACATGAAGCCCTTTGAAGTGCCTGAGAAACCAGCCCTGGGCCCATGTTGAGC
 AAAGCCGCGTCTGTGGAGTGCATCAGCCCGTACACCCAGAGCCCGGATGCCAGGATGCTGGAGGAGC
 TTAACGCTGAGCCCTGGTACCAAGGAGAGATGAGCAGGAAGGAGGCAGAGGCCCTGCTACGGGAAGATGG
 AGACTTCCTAGTGAGGAAGAGTACCACCAACCCGGCTCCTTTGCTCAGAGGCATGCACAATGGGAG
 GCCAAGCACCTGCTGCTGGTGGACCCGGAAGGCACGATCCGGACGAAGGACAGGGTCTTTGACAGCATCA
 GCCACCTCATCAATTACCACCTCGAGAGCAGCCTGCCATTGTCTCTGCCGGAGTGAGCTTTGTCTCCA
 GCAACCAGTGGAGAGGAAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009167

Insert Size: 1425 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](#)

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_009167.3</u> , <u>NP_033193.2</u>
RefSeq Size:	1540 bp
RefSeq ORF:	1425 bp
Locus ID:	20418
UniProt ID:	<u>Q61120</u>
Cytogenetics:	13 26.12 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 (By similarity).[UniProtKB/Swiss-Prot Function]