

Product datasheet for **MR225519**

Shc3 (NM_009167) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR225519 representing NM_009167
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGCCACCAGGAAGAGCCGGGCCGGCAGCAGCCACTGCCAGGCCCTCGGGGCGCCGCCGACA
 CCAGCGATCAGGTGCTGGGGCCGGGAGTACCTATGTGGTCAAGTACTTGGGCTGCATCGAAGTTCTGCG
 CTAATGAGGTCTCTTGACTTCAGTACAAGAACTCAGGTTACCAGGAAGCCATCAGCCGTGCTGCGAA
 GCTGTGCCAGGTGCCAAAGGAGCCCTCAAGAAGAGAAAGCCGCCGAGTAAGATGCTGTCCAGCATCTGG
 GGAAGAGCAACCTCCAGTTCGCAGGGATGAGCATCTCCCTGACCATCTCCACCGCCAGCCTGAATCTGCG
 CACTCCTGACTCCAAACAGATCATAGCGAAACCATCATATGCGGTCTATCTCTTTTGCCTCAGGGGGAGAC
 CCGGACACAACGGACTATGTTGCCTATGTCGTAAGGACCCTGTCAATCGCAGAGCTTGCCACATCTGCG
 AATGCTGTGACGGCTAGCCCAAGATGTCATTGGCTCCATCGGACAAGCCTTTGAACTCCGGTTCAAACA
 GTATTTGCAGTGCCTTCCAAGGTTCTGCCCTCCAGGACCGAATGCAGAGTCTGGATGAGCCATGGACT
 GAAGAAGAGGGAGATGGCCCTGATCACCCATACTACAACAGCGTTCCACCAAGATGCCTCCCCAGGGG
 GTTTTCTGGATGCTCGATTGAAAGGCAGACCCACGCTCCTGAGGCAGCCAGTTTGAGGAAAAGAGCA
 AACTTATTACCAGGAAGACACTTAGGAGATACATTTGGTGAAGACTGGCAGCGAGCACCCACAGGCAA
 GGCTCCTTGACATCTATAGCACAGCAGAAGGGAAAACACATGTTTCTGTAGGAGAAACACCAACCT
 ATGTCAACACCCAGCCAGTCCCACCACAGGTGTGGCCAGCAGCAACCAGCAGCACTGAGAGCAGCCACG
 GAAGGACCTCTTTGACATGAAGCCCTTTGAAGTGCCTGAGAAACCAGCCCTGGGCCCATGTTGAGC
 AAAGCCGCGTCTGTGGAGTGCATCAGCCCGGTACACCCAGAGCCCGGATGCCAGGATGCTGGAGGAGC
 TTAACCTGAGCCCTGGTACCAAGGAGAGATGAGCAGGAAGGAGGCAGAGGCCCTGCTACGGGAAGATGG
 AGACTTCCTAGTGAGGAAGAGTACCACCAACCCCGGCTCCTTTGCTCAGAGGCATGCACAATGGCGAG
 GCCAAGCACCTGCTGCTGGTGGACCCGGAAGGCACGATCCGGACGAAGGACAGGGTCTTTGACAGCATCA
 GCCACCTCATCAATTACCACCTCGAGAGCAGCCTGCCATTGTCTCTGCCGGAGTGAGCTTTGTCTCCA
 GCAACCAGTGGAGAGGAAACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225519 representing NM_009167
 Red=Cloning site Green=Tags(s)

MSATRKSRADEPLPRPPRGAPHTSDQVLGPGVTVVVKYLGCIIEVLRSMRSLDFSTRTQVTREISRVC
 AVPGAKGALKKRKPPSKMLSSILGKSNLQFAGMSISLTISTASLNL RTPDSKQIIANHHMRSISFASGGD
 PDTTDYVAYVAKDPVNRACHILECCDGLAQDVI GSIQAFELRFKQYLQCP SKVPALQDRMQSLDEPWT
 EEEGDGPDHPYYNSVPTKMPGGFLDARLKGRPHAPEAAQFAGKEQTYQGRHLGDTFGEDWQRPTRQ
 GSLEIYSTAEGKTHMVPVGETPTYVNTQPVPQVWPAATSTESSPRKDLFDMKPFEDALRNQPLGPMLS
 KAASVECI SPVTPRAPDARML EELNAEPWYQ GEMSRKEAEALLREDGDFLVRKSTNPGSFVL TGMHNGQ
 AKHLLLVDPEGTIRTKDRVFD SISHLINYHLESSLP IVSAGSELCLQQPVERKP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9045_h11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_009167

ORF Size: 1422 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.

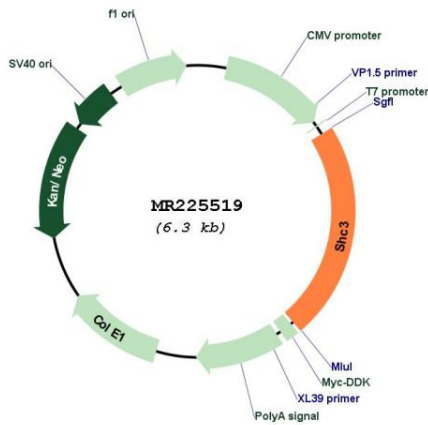
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_009167.4](#)
RefSeq Size: 1540 bp
RefSeq ORF: 1425 bp
Locus ID: 20418
UniProt ID: [Q61120](#)
Cytogenetics: 13 26.12 cM
MW: 52.6 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 MR225519