

Product datasheet for **MG225519**

Shc3 (NM_009167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shc3 (NM_009167) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Shc3
Synonyms:	N-Shc; Raj; ShcC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225519 representing NM_009167
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGCCACCAGGAAGAGCCGGGCCGCGACGAGCCACTGCCAGCCCCCTCGGGGCGCCGCCGACA
 CCAGCGATCAGGTGCTGGGGCCGGGAGTCACTATGTGGTCAAGTACTTGGGCTGCATCGAAGTTCTGCG
 CTAATGAGGTCTCTTGACTTCAGTACAAGAACTCAGGTTACCAGGGAAGCCATCAGCCGTGCTGCGAA
 GCTGTGCCAGGTGCCAAAGGAGCCCTCAAGAAGAGAAAGCCGCCGAGTAAGATGCTGTCCAGCATCTGG
 GGAAGAGCAACCTCCAGTTCGCAGGGATGAGCATCTCCCTGACCATCTCCACCGCCAGCCTGAATCTGCG
 CACTCCTGACTCCAAACAGATCATAGCGAACCATCATATGCGGTCTATCTCTTTTGCCTCAGGGGGAGAC
 CCGGACACAACGGACTATGTTGCCTATGTCGTAAGGACCCTGTCAATCGCAGAGCTTGCCACATTCTGG
 AATGCTGTGACGGCTAGCCCAAGATGTCATTGGCTCCATCGGACAAGCCTTTGAACTCCGGTTCAAACA
 GTATTTGCAGTGCCTTCCAAGTTCTGCCCTCCAGGACCGAATGCAGAGTCTGGATGAGCCATGGACT
 GAAGAAGAGGGAGATGGCCCTGATCACCCATACTACAACAGCGTCCCACCAAGATGCCTCCCCAGGGG
 GTTTTCTGGATGCTCGATTGAAAGGCAGACCCACGCTCCTGAGGCAGCCAGTTTGAGGAAAAGAGCA
 AACTTATTACCAGGGAAGACACTTAGGAGATACATTTGGTGAAGACTGGCAGCGAGCACCCACCAGGCAA
 GGCTCCTTGACATCTATAGCACAGCAGAAGGGAAAACACTCACATGGTTCTGTAGGAGAAACACCAACCT
 ATGTCAACACCCAGCCAGTCCCACCACAGGTGTGGCCAGCAGCAACCAGCAGCACTGAGAGCAGCCACG
 GAAGGACCTCTTTGACATGAAGCCCTTTGAAGTGCCTGAGAAACCAGCCCTGGGCCCATGTTGAGC
 AAAGCCGCGTCTGTGGAGTGCATCAGCCCGTACACCCAGAGCCCGGATGCCAGGATGCTGGAGGAGC
 TTAACGCTGAGCCCTGGTACCAAGGAGAGATGAGCAGGAAGGAGGCAGAGGCCCTGCTACGGGAAGATGG
 AGACTTCCTAGTGAGGAAGAGTACCACCAACCCCGGCTCCTTTGCTCAGAGGCATGCACAATGGGCAG
 GCCAAGCACCTGCTGCTGGTGGACCCGGAAGGCACGATCCGGACGAAGGACAGGGTCTTTGACAGCATCA
 GCCACCTCATCAATTACCACCTCGAGAGCAGCCTGCCATTGTCTCTGCCGGAGTGAGCTTTGTCTCCA
 GCAACCAAGTGGAGAGGAAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225519 representing NM_009167
 Red=Cloning site Green=Tags(s)

MSATRKS RAGDEPLPRPPRGAPHTSDQVLGPGVTVVVKYLGCIIEVLRSMRSLDFSTRTQVTREAIRVCE
 AVPGAKGALKRRKPPSKMLSSILGKSNLQFAGMSISLTISTASLNL RTPDSKQIIANHHMRSISFASGGD
 PDTTDYVAVYVAKDPVNRACHILECCDGLAQDVIQAFELRFKQYLQCP SKVPALQDRMQSLDEPWT
 EEEGDGPDHPYNSVPVKMPPPGFLDARLKGRPHAAQFAGKEQTYQGRHLGDTFGEDWQRAPTRQ
 GSLDIYSTAEGKTHMVPVGETPTYVNTQPVPQVWPAATSTESSPRKDLFDMKPFEDALRNQPLGPMLS
 KAASVECI SPVTPRAPDARML EELNAEPWYQGEMSRKEAEALLREDGDFLVRKSTNPGSFVLTGMHNGQ
 AKHLLLVDP EGTIRTKDRVFD SISHLINYHLESSLP IVSAGSELCLQPVERKP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.

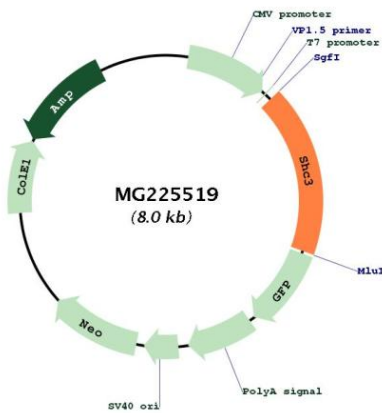
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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

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 MG225519