

Product datasheet for **RR210294**

Shc3 (NM_001105743) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shc3 (NM_001105743) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Shc3
Synonyms:	ShcC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210294 representing NM_001105743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCCACGCACCAAGTACAACCGCTTCAGGAATGACTCGGTGACATCGGTGATGACCTTCTCCACA
 GCCTGTGGTGTAGCGGCAGCGCCGCAAGGTCTCGGCGGAGCCCGCGGAGCCCTACCTGGTGTGGG
 CGAGGCGTGTGCAAGGCGCCGACGATGGGCCCGGACGCTGGGCCACCTGCTCCACAAGTGTCCAC
 TTGAAACTCTCCAGCTCCGGCCTGCGTGGCCTGTGTCGCGCCGCCGGGAGCGGGCAGGAGCGCGCTCT
 CGGGCAGCTGCAGCGGCCAGCCTGGCGGCCCGGACGGTGGCAGCGGACCCCGGGTCCCGTCCCC
 GGCCGCCAGCATGAGCGCCACCAGGAAGAGCCGGGCCAGCGACGACCGTTCGCCAGGCCCGCGGGG
 GCGCCGACGCGCAGCAGGTGCTGGGGTGGGAGTCACTATGTGGTCAAGTACTTGGGATGCATCG
 AAGTTCTGCGCTCAATGAGGTCTTTGACTTCAGTACAAGAACTCAGTTACCAGGAAGCCATCAGCCG
 TGTCTGCAAGCTGTGCCAGGCGCAAAGGAGCCTTCAAGAAGAGAAAGCCTCCGAGTAAATGCTGTCC
 AGCATCTGGGAAGAGCAACCTCCAGTTCGACAGGGATGAGCATCTCCCTGACCATCTCCACCGCCAGCC
 TGAACCTGCGCACTCCTGACTCCAAACAGATCATAGCAACCATCACATGCGGTCCATCTCTTCGCCCTC
 AGGGGAGACCCGGACACAACAGACTATGTTGCCTACGTGCTAAGGACCTGTGAATCGCAGAGCTTGC
 CACATTCTGGAATGCTGTGACGGCTAGCCCAAGATGTCATCGGCTCCATCGGACAAGCCTTTGAACTCC
 GGTTCAGCAGTATTTGCAGTGTCTTCCAAGATTCCTGCTCTCCAGGACCGAATGCAGAGTCTGGACGA
 GCCGTGGACTGAAGAAGGGGAGATGGCCCGATCACCGTACTACAACAGCGTTCACCAACAGATGCCT
 CCTCCAGGAGGGTTTCTCGATGCTCGATTGAAAGCCAGACCCACGCTCCTGATGCAGCCAGTTTTTCAG
 GAAAAGACAAAATTATTACCAGGAAGACACTTAGGAGATGCATTCGGTGAAGACTGGCAGAGACACC
 CACCAGGCAAGGCTCCTTGGACATCTATAGCACACCAGAAGGAAAGCTCACATGGTTCTGTAGGAGAA
 ACACCAACCTATGTCAACACCCAGCCAGTCCCACCACAGGTTTGCCAGCAGCAACCAGCAGCACTGAGA
 GCAGCCCACGGAAGGACCTTTTGACATGAAGCCTTTTGAAGTGCCCTCAGAAACCAACCCTGGGCC
 TGTGTTGAGCAAAGCTGCGTCTGTGGAGTGTATCAGCCCGTTACACCCAGAGCCCGGACGCCAAGATG
 CTGGAGGAGCTTAACTGCTGAGCCCTGGTACCAAGGCGAGATGAGCAGGAAGGAGGAGGCTCTACTAC
 AGGAAGATGGAGACTTCTAGTCAGGAAGAGTACCACCAACCCCGGCTCCTTTGCTCCTCACAGGCATGCA
 CAATGGCCAGGCCAAGCACCTGCTGCTGGTGGACCCGGAAGGCACGGTCCGGACGAAGGACAGGGTCTTT
 GACAGCATCAGTCACCTCATTACTTACCACCTGGAGAGCAGCCTGCCATTGTCTCTGCCGGAGTGAGC
 TTTGTCTCCGGCAACCAGTGGAGAGGAAACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210294 representing NM_001105743
 Red=Cloning site Green=Tags(s)

MLPRTKYNRFRNDSVTSVDDLHLSLSVSGSGGKVSAPPAASPYLVSGEALRKAPDDGPGSLGHLLHKVSH
 LKLSSSGLRGLSSAARERAGARLSGSCSAPSLAAPDGSATPGSRAPAASMSATRKSRASDEPLPRPPRG
 APHASDQVLGSGVTYVVKYLGCI EIVLRSMRSLDFSTRTQVTREAI SRVCEAVPGAKGAFKKRPPSKMLS
 SILGKSNLQFAGMSISLTI STASLNL RTPDSKQIIANHHMRSISFASGGDPD TTDYVAYVAKDPVNRAC
 HILECCDGLAQDVI GSIGQAFELRFKQYLQCP SKIPALQDRMQSLDEPWTEEGDGDHPYVNSVPNKMP
 PPGGFLDARLKARPHAPDAAQFSGKEQTY YQGRHLGDAFGEDWQRAPTRQGSLDIYSTPEGKAHMPVGE
 TPTYVNTQVPPQVWPAATSSTESSPRKDLFDMKPFEDALRNQPLGPVLSKAASVEICISPVTPRAPDAKM
 LEELNAEPWYQGEMSRKEAEALLQEDGDFLVRKSTTNPGSFVLTGMHNGQAKHLLLVDPEGTVRTRKDRVF
 DSISHLITYHLESSLPIVSAGSELCLRQPVERKP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

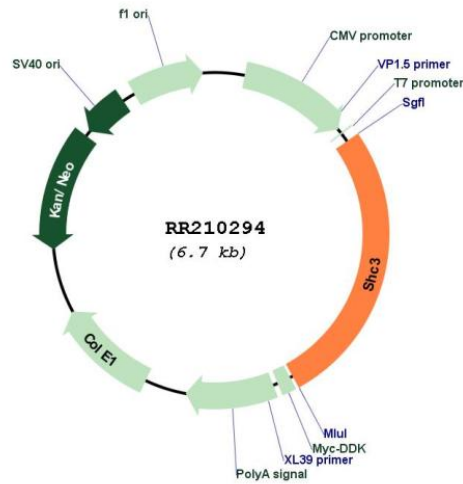
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105743

ORF Size: 1782 bp

OTI Disclaimer:	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:	<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:	NM_001105743.1 , NP_001099213.1
RefSeq Size:	1968 bp
RefSeq ORF:	1785 bp
Locus ID:	114858
Cytogenetics:	17p14
MW:	64.1 kDa
Gene Summary:	may be involved in brain-derived neurotrophic factor signalling during retinal development [RGD, Feb 2006]