

Product datasheet for **RN206069**

Shc2 (NM_001108065) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shc2 (NM_001108065) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206069 representing NM_001108065
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCAGGGTCCCGGTGGCCGCGGCCCCCGAGCCCGAGGCGCCACCACCTTCTGCGCGCTGCTAC
 CGCGCATGCCGCAGTGAAGTTCGCGGCCCGCGTAGCTTCTGGGCCGCGGTCCGGCGGCTGCGCGCT
 GGCGGGGGCGGCAGAGGCGCAGCCGAGCCTGGGGTCCCGCGCTGGCCGCGTGTGGTGCCTGCGAA
 CCGCGCTGTGCCGCGCCTGTCCGCTACCAGCTCTCGGCCGCTGCCGGGCTCGGGGCGCGCGC
 GGGGAACCCCGACGTCGCCGACGAGTGGGTGCGCAAGGCGGCTTCATTACAAGCCCGCACGGCTG
 GCTGCACCCCGATGCGAGGGTCTGGGGCCGGGGTCTTTACATCGTTCGGTACATGGGCTGCATTGAG
 GTGCTCCGATCTATGCGCTCCCTGGATTCAACACCCGGACACAGGTGACGAGGGAAGCCATCAATCGC
 TCCACGAGGCTGTCCAGGTGTCCGAGGCTCCTGGAAGAAGAAGCCCCCAACAAGGCGCTGGCCTCCAT
 CTTGGGAAAAGCAACCTGCGCTTCGCCGGCATGAGCATCTCAGTCAACATCTGTGGACGGCCTAAC
 TTGTCAGTTCGCCCTACCCGTCAGATCATCGCCAACCATCACATGCACTATTTCTTCGCTCCGGTG
 GCGACACGGACATGACCGATTACGTGGCCTATGTGGCCAAGGACCCCATCAACCAGAGAGCTGCCACAT
 CTTGGAATGCTGTGAGGGTCTCGCCAGAGTGTATCAGCACCGTGGGGCAAGCCTTTGAGCTGCGCTTC
 AAGCAATACCTGCACAGTCCGCCAAGGCTGTCGTGCCCCCTGAAAGGCTGACCGGGCTGGAGGAGTCGG
 CCTGGGGTGATGGTGAGGTTACTGCAGACCACGATTACTACAACAGCATTCCAGGAAAGGAGCCACCCCT
 GGGCGGGCTGGTGGACTCCAGACTGGCTGTCACACAGCCCTGTGCGCTGACAACACTTGGGGCCTTGA
 CAGGGATTGTACCTGCCTGGAGAGATGTCCTGGCTTGCTTGGGACATGGGCCCTCTGGAGCAGTCC
 CACTGGGGATGGCTACGTGCAGGCAGATGCCCGAGGGCCACATGACTACGAGGAACACCTGTATGTCAA
 CACCCAGGGCCTGGACGCTTTGGAGCTTGAGGACACCTCCGAGACACCTCTGCAGCCTGAGGACAGCCCC
 AAGAAGGACCTGTTTGACATGCGACCCTTTGAAGATGCCCTGAAGTTGCACGAGTCTCCGTGGCAGCAG
 GCATTACTGCAGCCTCACTCCCTCTGGAGGATCAGTGGCCAGCCCCCTACCCGAGGGCCCCATTGC
 ACCCACAGAGGAGCAACTGAGGCAGGAGCCCTGGTACCATGGACGAATGAGCCGTCGGGCTGCAGAGAAG
 CTGCTTCGTGCCGATGGGACTTCTTGTGAGAGACAGCATCACCAACCCGGGCGAGTATGCTCACAG
 GCATGCACGCGGGGCAGCCCAAGCACCTGCTGCTGGTGGACCCCGAGGGTGTGGTACGGACAAAAGATG
 GCTGTTTGAGAGCATCAGCCACCTCATAGACTATCACCTGAAGAACGGGTTGCCCATCGTGGCTGCCGAG
 AGTGAAGTGCATCTCGGGGAGTGGTCTCTCGGGAGCCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001108065
- 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_001108065.1](#), [NP_001101535.1](#)

RefSeq Size: 3904 bp

RefSeq ORF: 1722 bp

Locus ID: 314612

UniProt ID: [O70142](#)

Cytogenetics: 7q11

Gene Summary: predicted to be a member of the Shc family of adaptor proteins that bind to receptor tyrosine kinases and mediate cell signalling [RGD, Feb 2006]