

## Product datasheet for **RN216944**

### **Shc1 (NM\_001164060) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Shc1 (NM_001164060) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shc1
Synonyms:	P66shc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN216944 representing NM\_001164060  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCTTCTACCCCCAAGCCGAAGTACAACCCACTTCGGAATGAGTCTCTGTATCGCTGGAGGAGG  
 GGGCTTCAGGGTCTACTCCACCGGAGGAGCTGCCTTCCCATCAGCCTCATCCCTGGGACCCATTCTGCC  
 TCCTCTGCCGGGGACGATAGCCCGACTACCCTGTGTTCTTCTTTCCCGGATGAGCAACTTGAAGCTG  
 GCCAATCTGCTGGGGGCGCCTGGGACCTAAAGGGGAGCCAGGAAAAGCTGCAGAAGATGGGGAAGGGA  
 GTGCAGGAGCAGCCCTTCGGGACTCAGGCCTCTTGCCCTCCTCCAGGACATGAACAAGCTGAGTGGAGG  
 CGGCGGGCGCAGGACTCGGGTGAAGGGGGCCAGCTGGGGGGCAGGAGTGGACCAGACCGGGAGCTTT  
 GTCAATAAGCCCACACGAGGCTGGCTGCATCCCAACGACAAAGTCATGGGACCTGGGTTTCTACTTGG  
 TTCGGTACATGGGTTGCGTGGAGGTCTTACAGTCAATGCGAGCCCTTGACTTCAATACCCGGACTCAGT  
 CACCAGGGAGGCTATCAGTTTGGTGTGAAGCTGTGCCTGGTGCAGGAGGAGTAAAGGGGCGATGAGGAGGAAA  
 CCCTGCAGCCGCCACTCAGCTCTATCCTGGGAAGGAGTAACTGAAGTTTGGTGAATGCCGATCACTC  
 TCACTGTGTCTACCAGCAGCCTAACCTCATGGCAGCAGACTGCAACAGATCATTGCCAACCATCATAT  
 GCAATCTATCTCATTGCGTCTGGTGGGGATCCGGACACAGCTGAGTACGTTGCCTATGTTGCCAAAGAC  
 CCTGTGAATCAGAGAGCCTGCCATATCCTGGAGTGTCTGAAGGACTTGCTCAGGACGTCATCAGCACCA  
 TCGGGCAGGCCTTTGAGTTGCGCTTCAAACAGTATCTCAGGAATCCACCAAGCTGGTCAACCCCATGA  
 CAGGATGGCTGGCTTTGATGGCTCAGCTTGGGATGAGGAGGAAGAAGAGCCCTGACCATCAGTACTAC  
 AATGACTTCCCAGGAAGGAACCCCTCTTGGTGGAGTGGTAGATATGAGGCTTCGGGAAGGGGCTGCTC  
 GACCCACTTCCCAGTACCCAGATGCCAGCCACTTGGGAGCTACACTGCCAATAGGGCAGCATGTTAC  
 AGGAGACCATGAAGTCCGTAAACAGATGCTGCCTCCACCACCGTCCCGCAGGAGAGAACTTTCGATGAT  
 CCTTCTATGTCAACATCCAGAATCTAGACAAGGCCCGCAAGCTGGTGGTGGGGCTGGACCCCAATC  
 CTTCTGTTAATGGCAGTGCACCCGAGACCTCTTGGATGAAGCCCTCGAAGATGCACTCCGGGTGCC  
 GCCAGCTCCCGAGTCCATGTCCATGGCTGAGCAGCTCCAAGGGGAGTCTGGTTTCATGGGAACTCAGC  
 CGGCGGGAGGCTGAGGCGCTGCTGCAGCTCAACGGTGACTTCTGGTGGCAGAGAGTACAACCACACCTG  
 GCCAGTACGTGCTCACTGGTCTGCAGAGTGGGAGCCCAAGCACTTGCTTCTGGTGGACCCTGAAGGTGT  
 GGTTCCGACAAAGGATCACCGCTTGGAGGTGTCAGTCACTGATCAGCTACCACATGGACAATCACTTA  
 CCCATCATCTCTGCAGGCAGTGAAGTGTCTACAGCAACCTGTGGATCGAAAAGT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001164060
- Insert Size:** 1740 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001164060.1](#), [NP\\_001157532.1](#)

**RefSeq Size:** 3541 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 85385

**Cytogenetics:** 2q34

**Gene Summary:** mouse homolog interacts with growth factor receptors; involved in transformation and differentiation in a Ras-dependent fashion [RGD, Feb 2006]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.