

## Product datasheet for **RR201790**

### **Shc1 (NM\_053517) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Shc1 (NM_053517) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Shc1
Synonyms:	P66shc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201790 representing NM\_053517  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACAAGCTGAGTGGAGGCGGGCGCAGGACTCGGGTAGAAGGGGGCCAGCTGGGGGCGAGGAGT  
 GGACCAGACACGGGAGCTTTGTCAATAAGCCACACGAGGCTGGCTGCATCCCAACGACAAAGTCATGGG  
 ACCTGGGGTTTCTACTTGGTTCCGTACATGGTTGCGTGGAGGTCTTACAGTCAATGCGAGCCCTTGAC  
 TTCAATACCCGGACTCAGGTACCAGGGAGGCTATCAGTTTGGTGTGAAGCTGTGCCTGGTGCCAAAG  
 GGGCGATGAGGAGGAGAAAGCCCTGCAGCCGCCACTCAGCTCTATCCTGGGAAGGAGTAACCTGAAGTT  
 TGCTGGAATGCCGATCACTCTACTGTGTCTACCAGCAGCCTAACCTCATGGCAGCAGACTGCAACAG  
 ATCATTGCCAACCATCACATGCAATCTATCTCATTGCGTCTGGTGGGATCCGGACACAGCTGAGTACG  
 TTGCCTATGTTGCCAAAGACCCTGTGAATCAGAGAGCCTGCCATATCCTGGAGTGTCTGAAGGACTTGC  
 TCAGGACGTCATCAGCCATCGGGCAGGCCTTTGAGTTGCGCTTCAAACAGTATCTCAGGAATCCACCC  
 AAGCTGGTCACCCCCATGACAGGATGGCTGGCTTTGATGGCTCAGCTTGGGATGAGGAGGAAGAAGAGC  
 CCCCTGACCATCAGTACTACAATGACTTCCCAGGGAAGGAACCCCTCTTGGTGGAGTGGTAGATATGAG  
 GCTTCGGGAAGGGGCTGCTCGACCCACTCTGCCAGTACCAGATGCCAGCCACTTGGGAGCTACACTG  
 CCAATAGGGCAGCATGTTACAGGAGACCATGAAGTCCGTAACAGATGCTGCCTCCACCACCGTGCCAG  
 GCAGAGAACTCTTCGATGATCCTTCTATGTCAACATCCAGAATCTAGACAAGGCCCGGCAAGCTGGTGG  
 TGGGGCTGGACCCCAATCCTTCTGTTAATGGCAGTGCACCCGAGACCTTTTGACATGAAGCCCTTC  
 GAAGATGCACTCCGGGTGCCGCCAGTCCCAGTCCATGTCCATGGCTGAGCAGCTCAAAGGGGAGTCTC  
 GGTTTCATGGGAAACTCAGCCGCGGGAGGCTGAGGCGTGTGCAGCTCAACGGTCACTTCTTGGTGGC  
 AGAGAGTACAACCACACCTGGCCAGTACGTCTACTGGTCTGCAGAGTGGGCAGCCCAAGCACTTGCTT  
 CTGGTGGACCCTGAAGGTGTGGTTCGGACAAAGGATCACCGCTTTGAGAGTGTGAGTACCTGATCAGCT  
 ACCACATGGACAATCACTTACCCATCATCTCTGCAGGCAGTGTGTCTACAGCAACCTGTGGATCG  
 AAAAGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201790 representing NM\_053517  
 Red=Cloning site Green=Tags(s)

MNKLSGGGRRTRVEGGQLGGEWTRHGSFVNKPTRGWLHPNDKVMGPGVSYLVRYMGCVEVLQSMRALD  
 FNTRTQVTREAIISLVCEAVPGAKGAMRRRKPCSRPLSSILGRSNLKFAGMPITLTVSTSSLNLMAADCKQ  
 IIANHHMQSISFASGGDPDAEYVAYVAKDPVNQRACHILECPEGLAQDVIISTIGQAFELRFKQYLRNPP  
 KLVTPHDRMAGFDGSAWDEEEEEPPDHQYNDFFPGKEPPLGGVDMRLREGAARPTLPSTQMPSHLGATL  
 PIGQHVTGDHEVRKQMLPPPPCPGRELFDPSYVNIQNLDKARQAGGGAGPPNPSVNGSAPRDLFDMKPF  
 EDALRVPPAPQSMMAEQLOGESWFGKLSRREAELLQLNGDFLVRESTTTPGQYVLTGLQSGQP KHL  
 LVDPEGVVRTKDRHFESVSHLISYHMDNHLPIISAGSELCLQPVDKRV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



**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\\_053517.2](#), [NP\\_445969.2](#)

**RefSeq Size:** 3108 bp

**RefSeq ORF:** 1410 bp

**Locus ID:** 85385

**UniProt ID:** [Q5M824](#)

**Cytogenetics:** 2q34

**MW:** 51.5 kDa

**Gene Summary:** mouse homolog interacts with growth factor receptors; involved in transformation and differentiation in a Ras-dependent fashion [RGD, Feb 2006]