

Product datasheet for **RN201790**

Shc1 (NM_053517) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shc1 (NM_053517) 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: >RN201790 representing NM_053517
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAGCTGAGTGGAGGCGGGCGCAGGACTCGGGTAGAAGGGGGCCAGCTGGGGGCGAGGAGT
 GGACCAGACACGGGAGCTTTGTCAATAAGCCACACGAGGCTGGCTGCATCCCAACGACAAAGTCATGGG
 ACCTGGGGTTTCCTACTTGGTTCGGTACATGGGTTGCGTGGAGGTCTTACAGTCAATGCGAGCCCTTGAC
 TTCAATACCCGGACTCAGGTCACCAGGGAGGCTATCAGTTTGGTGTGAAGCTGTGCCTGGTGCCAAAG
 GGGCGATGAGGAGGAGAAAGCCCTGCAGCCGCCACTCAGCTCTATCCTGGGAAGGAGTAACCTGAAGTT
 TGCTGGAATGCCGATCACTCTCACTGTGTCTACCAGCAGCCTTAACCTCATGGCAGCAGACTGCAAAACAG
 ATCATTGCCAACCATCACATGCAATCTATCTCATTGCGCTCTGGTGGGGATCCGGACACAGCTGAGTACG
 TTGCCTATGTTGCCAAAGACCCTGTGAATCAGAGAGCCTGCCATATCCTGGAGTGTCTGAAGGACTTGC
 TCAGGACGTCATCAGCACCATCGGGCAGGCCTTTGAGTTGCGCTTCAAACAGTATCTCAGGAATCCACCC
 AAGCTGGTCACCCCCATGACAGGATGGCTGGCTTTGATGGCTCAGCTTGGGATGAGGAGGAAGAAGAGC
 CCCCTGACCATCAGTACTACAATGACTTCCCAGGGAAGGAACCCCTCTTGGTGGAGTGGTAGATATGAG
 GCTTCGGGAAGGGGCTGCTCGACCCACTCTGCCAGTACCAGATGCCAGCCACTTGGGAGCTACACTG
 CCAATAGGGCAGCATGTTACAGGAGACCATGAAGTCCGTAACAGATGCTGCCTCCACCACCGTGCCAG
 GCAGAGAACTCTTCGATGATCCTTCTATGTCAACATCCAGAATCTAGACAAGGCCCGGCAAGCTGGTGG
 TGGGGCTGGACCCCAATCCTTCTGTTAATGGCAGTGCACCCGAGACCTTTTGACATGAAGCCCTTC
 GAAGATGCACTCCGGGTGCCGCCAGTCCCCAGTCCATGTCCATGGCTGAGCAGCTCCAAGGGGAGTCTCT
 GGTTTCATGGGAACTCAGCCGCGGGAGGCTGAGGCGTGTGCAGCTCAACGGTGACTTCTTGGTGCG
 AGAGAGTACAACCACACCTGGCCAGTACGTCTCACTGGTCTGCAGAGTGGGCAGCCCAAGCACTTGCTT
 CTGGTGGACCCTGAAGGTGTGGTTCGGACAAAGGATCACCGCTTTGAGAGTGTGAGTCACTGATCAGCT
 ACCACATGGACAATCACTTACCCATCATCTCTGCAGGCAGTGAGCTGTGTCTACAGCAACCTGTGGATCG
 AAAAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053517

Insert Size: 1410 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_053517.2](#), [NP_445969.2](#)

RefSeq Size: 3108 bp

RefSeq ORF: 1410 bp

Locus ID: 85385

UniProt ID: [Q5M824](#)

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 (2) represents use of an alternate promoter and 5' UTR and uses a downstream start codon, compared to variant 1. The resulting isoform (b) has a shorter N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.