

## Product datasheet for **SC114141**

### **SHC3 (NM\_016848) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SHC3 (NM_016848) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHC3
Synonyms:	N-Shc; NSHC; RAI; SHCC
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC114141 sequence for NM\_016848 edited (data generated by NextGen Sequencing)

```
ATGCTTCCACGCACCAAGTATAACCGCTTCAGGAATGACTCGGTGACATCGGTGATGAC
TTTCTCCACAGCCTGTCCGGTGAGCGGGCGGAGGCAAGGTTTCGGCGGCGCGCGGACC
CCGGCGGCGGCTCCCTACTTGGTGTCCGGCGAGGCGCTGCGCAAGGCGCCGACGATGGG
CCCGGACAGCCTGGGCCACCTGCTCCACAAGGTGTCCACCTGAAACTCTCCAGCTCGGGC
CTCCGCGGCTGTGCTCGGCCGCGGGAGCGGGCGGCGCGGCTCTCGGGCAGCTGC
AGCGCGCCAGCCTGGCCGCCCGGACGGCAGTGCGCCCTCGGCCGCCCGCGCCCGGCC
ATGAGCGCCGCCAGGAAGGGCCGCGCCGCGACGAGCCGCTGCCAGGCCCTCGGGGG
GCGCCGCACGCCAGCAGCAGGTGCTGGGGCCGGAGTCACTACGTGGTCAAGTACTTG
GGGTGCATTGAAGTTCTGCGCTCAATGAGGTCTCTTGACTTCACTACAAGAACAATAAT
ACCAGGGAAGCCATCAGCCGCTGTGTGAAGCTGTGCCTGGTGCAGGGAGCCTTCAAG
AAGAGAAAGCCTCAAGCAAAATGCTGTCCAGCATCTTGGGAAAGAGCAACCTCCAGTTT
GCGGGAATGAGCATCTCTGACCATCTCCACGGCCAGTCTGAACCTGCGAACTCCGGAC
TCCAAACAGATCATAGCGAATCACCACATGCGGTCCATCTCTTGCCTCTGGGGGAGAC
CCGGACACAACCTGACTATGTTGCATATGTGGCTAAGGACCTGTTAATCGCAGAGCTTGT
CACATTTTGAATGCTGTGATGGCTGGCCAGGATGTCATCGGTCCATCGGACAAAGCC
TTTGAGCTCCGGTTTAAGCAATATTTACAGTGTCTACCAAGATCCCGCTCTCCATGAT
CGAATGCAGAGTCTGGATGAGCCATGGACGGAAGAGGAGGAGATGGCTCAGACCACCA
TACTACAACAGCATCCCAAGCAAGATGCCTCCTCCAGGGGGCTTTCTTGATACTAGACTG
AAACCCAGACCCATGCTCCTGACACAGCCAGTTTGCAGGAAAAGAGCAGACTTATTAC
CAGGGAAGACACTTAGGAGACACTTTTGGCGAAGACTGGCAGCAAAACACCTTTAAGGCAA
GGTCTCTCGACATCTACAGCACGCCAGAAGGAAACTGCACGTGGCCCCACGGGAGAA
GCACCCACCTACGTCAACACTCAGCAGATCCCACCACAGCCTGGCCGGCTGCGGTGAGC
AGTGCTGAGAGCAGCCGAGGAAAGACCTCTTTGACATGAAACCTTTTGAAGATGCTCTC
AAGAACCAGCCCTTGGGGCCCGTGTAAAGCAAGGCAGCCTCCGTGGAGTGCATCAGCCCT
GTGTCACCTAGAGCCCCAGATGCCAAGATGCTGGAGGAACTGCAAGCCGAGACTTGGTAC
CAAGGAGAGATGAGCAGGAAGGAGGCAGAGGGGCTGCTGGAGAAAAGACGGAGACTTCTG
GTCAGGAAGAGCACCACCAACCCGGCTCCTTTGCTCACGGGCATGCACAATGGCCAG
GCCAAGCACCTGTGCTCGTGGACCCAGAAGGCACGATCCGGACAAGGACAGAGCTTTT
GACAGTATCAGCCACCTCATCAACCACCACCTAGAAAGCAGCCTGCCATTGTCTCTGCA
GGGAGTGAGCTGTCTCCAGCAGCCAGTGGAGAGGAAGCAGTGA
```

Clone variation with respect to NM\_016848.5  
1338 a=>g

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016848 unedited  
 NGGGTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTCAGAG  
 TGAGTCATGCTTTTGTGTGAGCAGCCCAAGCAGCTGGGCGCTCCATCAGAGGCAACTA  
 TGACTTTTGCAAAGCAAACGTGCAACCCCAAGCAGCGTCTCCCGGGCCGGGGTGC  
 GCCCGCTGTGCTGGCTTTAACGGTGGGAGGGCACCATCTCTTGCTGCTCTCGTT  
 CTCCAGAAGGCTGTCCCGGGCCCCACTCTCCGTCCCGTCCGGGGACAGTGGCTCGCC  
 TGCTATGCGCGGCAGCCCGCGCCGGGGCCGGCACCAGCAGCGCCCGGGCGGATGCAGCGA  
 GCCACGAGGGGCATGCTTCCACGCACCAAGTATAACCGCTTCAGGAATGACTCGGTGA  
 CATCGGTGATGACCTTCTCCACAGCCTGTGCGGTGAGCGCGCGGGAGGCAAGGTTTCGG  
 CGGCGCGCGACCCCGCGCGGCTCCCTACTTGGTGTCCGGCGAGGCGCTGCGCAAGG  
 CGCCCGACGATGGGCCCGCAGCCTGGGCCACCTGCTCCACAAGGTGTCCACCTGAAAC  
 TCTCCAGCTCGGGCTCCGCGGCTGTGCTCGGCCCGCCGAGCNGGCCCGGGCGCGCG  
 GATTCTCGGGCAGCTGCAGCGCGCCAGCCTGGCCGCCCGGACGGCAGTGCGCCCTCGG  
 CGCCCCGCGCCCGGCCATGAGCGCCGNCAGGAAAGGGCCGGCCCGGCGACGAGCCGCTG  
 CCCAGCCCCCTTCGGGGGCGCCGACGCCACGACCAGGTGCTGGGCCCCCGGAGCACCT  
 ACGTGGGTCACTTTGGGTGCATATGGAAGTTCTGCGCTCAATGAGGTCTCTGACTTC  
 AGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016848 unedited  
 TGTCTCTGGGAACGCGGCACGCATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCATTAA  
 AAACACACAGCACAGACATTAGTCTTACATCTTTCTTAGTCTTAAAAAATATAAATATAG  
 AGGGATAATTTGTACAGGATGTATAGGTATGTACACCTTAAATATGCATATGAGAAATTC  
 AGAACCAAGTTTATGAAACTTGACCTTAAAGGAAGCCTTCCTTTTGAAGCTTTTGAAGAA  
 GGCTCTGAGCCACAGGCAGCTGTCCCAGTTCAGCAGCCCGATTCTAGTCCACTCCAGG  
 TCCTCCTGACCTGGTGCAGTGTGGGAGCAGTGTGGCCAGGTCACTGCTTCTCTCC  
 ACTGGCTGCTGGAGACACAGTCACTCCCTGCAGAGACAATGGGCAGGCTGCTTTCTAGG  
 TGGTGGTTGATGAGGTGGCTGATACTGTCAAAGACTCTGTCTTTGTCCGGATCGTGCTT  
 TCTGGTCCACGAGCAGGTGCTTGGCTGGCCATTGTGCATGCCCGTGGGACAAAG  
 GAGCCCCGGTTGGNTGGTGTCTTCTGACCAGGAAGTCTCCGTCTTCTCCAGCAGCCC  
 CTCTGCCTCCTTCTGCTCATCTCTCTTGGTACCAAGTCTCGCCTTGAGTTCCCTCCAG  
 CATCTTGGCATCTGGGGCTCTAGGTGACACAGGGCTGATGCACTCCACGAGGCTGCCTT  
 GCTTACCGGGCCCAAGGGCTGGTTCTTGAGAGCATCTTCAAAAGGTTTCATGTCAAAG  
 AGGTCTTTTCTCGGGCTGGTCTCAACTGCTGACCGNANCCGGCCAGCCTGTGGGGG  
 GGGATCTGCTGAGGTGTGACGTAAGGGGGTGTTCCTCCCGGGGGCCACGGGCAGTTTC  
 CTTTTGGCGTGTGAAAAGTCCGAGGACCTTGCCTTAAAGGGTTGCTGCAATTTTCCCC  
 AAGAGGTTTCTAGGGA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016848

**Insert Size:**

2240 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016848.2</a> , <a href="#">NP_058544.2</a>
<b>RefSeq Size:</b>	2400 bp
<b>RefSeq ORF:</b>	1785 bp
<b>Locus ID:</b>	53358
<b>UniProt ID:</b>	<a href="#">Q92529</a>
<b>Cytogenetics:</b>	9q22.1
<b>Domains:</b>	SH2, PID
<b>Protein Pathways:</b>	Chemokine signaling pathway, Chronic myeloid leukemia, ErbB signaling pathway, Focal adhesion, Glioma, Insulin signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway
<b>Gene Summary:</b>	Signaling adapter that couples activated growth factor receptors to signaling pathway in neurons. Involved in the signal transduction pathways of neurotrophin-activated Trk receptors in cortical neurons.[UniProtKB/Swiss-Prot Function]