

Product datasheet for **SC121449**

SHC4 (NM_203349) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHC4 (NM_203349) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHC4
Synonyms:	RaLP; SHCD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_203349, the custom clone sequence may differ by one or more nucleotides

```

ATGCGAGAACCGCGCCAGGACAGCCTGGCAGGACTCGTGCTGTATGTAGGACTCTTCGGGCACCCCGGGA
TGCTGCACAGGGCCAAGTACAGCCGCTTTCGGAACGAGTCGATCACGTCCTTGGACGAAGGTAGCTCCGG
AGGTCGCTCGGGAACAAGGGCTCGCCGACGCTCCCCACCCCGCCTGGCACCTCACCTGCCGACTGAA
GATGCCACCTTGCCGTCGCAGGAGAGCCCCACCCACTGTGCACCTTGATCCCCCGCATGGCAAGCATGA
AGCTGGCCAACCCGCGCCACTTTGCTGAGTCTGAAAAAATTTTGCCTGGGTACCAAAGAGGTGCCTCGGCT
GAAGCTCCAGGAAAGCCGGGACCCAGGTTCCAGCGGCCCTCTTCCCAGAAAACAGTTTAAAGTAGGTCC
GGGACTGCACCTCACCCGAGCAGGACCTGGTGGGACACAGGGCAACCGCCCTAACCCCTGATTCGTGCC
CGCTTCTGGCCCTGGGAGCCAACACTTAGGAGCAGGCAGGACAGGCACCTTCTACAGCACCTGTTGGG
GATGGGCATGAACTACTGTGTGAGGTACATGGGCTGTGTTGAAGTGTGCAATCAATGAGATCACTGGAT
TTTGAATGAGAACCCAAGTTACAAGGGAAGCAATAAGTCGCCTGTGTGAAGCTGTCCCCGGGGCAATG
GAGCCATTA AAAAGCGAAAAGCCTCCAGTTAAGTTCCTATCAACAGTCCTTGGCAAAAGTAATCTTCAGTT
TTCAGGAATGAATATAAAACTGACCATCTCAACATGCAGTCTCACATTGATGAATCTTGACAACCAACAG
ATTATTGCAAATCATCATATGCAGTCTATTTTCATTTGCCTCTGGAGGGGATCCTGATACTACAGACTATG
TTGCCTACGTAGCTAAAGATCCAGTTAATCAACGAGCCTGTACATATTGGAATGCCACAATGGAATGGC
CCAAGACGTCAATAAGTACCATAGGGCAGGCTTTTGAATCCGGTTTAAACAGTACTTGAAAAATCCTTCT
TTGAATACTTCTGTGAAAGTGAGGAGGTGCATATTGATAGCCATGCCGAGGAGAGAGAAGATCATGAAT
ATTACAATGAAATTCAGGGAAGCAGCCACCAGTAGGTGGTGTTCAGATATGCGGATCAAAGTTCAAGC
CACGGAACAAATGGCTTACTGCCCCATACAGTGTGAAAAGTTGTGCTATTTGCCTGGAACTCCAAGTGC
AGCATGTATATGAGAACTGTTTGAACAAAGCAGGGCAATAGGTAATGTCCATCCAAGGGGTGCAGT
CCCAGCGAGATACCTCATTATTGAAGCACAGTGCAGGATGATCTTTTGTGATGACCCCTGCTACATTA
TACACAGGCTCTTCAAAGTACACCTGGCTCTGCTGGAATCAAAGGTGAGCCCAACCACTGGGGAGCCCA
TGGCACTGCGGAAAGGCACCAGAAAATGTTTCCAGCCGGGTGCCACAGCCAGCCTGCCAGCTCACATTCTT
TGCCACACATTAAGCAGCAGCTGTGGAGCGAAGAAATGCTATCATGGCAAGCTGAGCAGGAAGGCGGCAGA
GAGCCTCTTGGTAAAGGATGGGGACTTTTTGGTTCGAGAGAGTGAACATCCCCTGGCCAATATGTGCTG
AGTGGACTACAGGGAGGCAAGCAAAACATCTTCTCCTGGTGGATCCTGAAGGCAAGGTGAGGACCAAGG
ATCATGTATTTGATAATGTCGGCCACCTTATCAGATACCATATGGATAACAGTTTGGCAATCATCTCCTC
TGAAGCGAAGTAAGCCTTAAACAACCAAGTGAAGAAAGATAATAATCCAGCACTTTGCATTCCAACAAA
TGA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_203349 unedited

```

TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCCGGGAGCCGAGGTGG
GCGAGCTCGAGAGCAGAGTTGGAGAGGTGGCTGCTGTGAGTTGCATCGGGCGTTGAGGTA
TCTGATGTCTGCACCGTTTATCTACCAGACGACGAGGCGATTTATGCAACAGTATCCTGT
TTCAGCACTGCCAAGGCTATGCGAGAACCGGCCAGGACAGCCTGGCAGGACTCGTGCTG
TATGTAGGACTCTTCGGGCACCCCGGGATGCTGCACAGGGCCAAGTACAGCCGCTTTCGG
AACGAGTCGATCACGTCCTTGGACGAAGGTAGCTCCGGAGGCTCGGTCCGGAAACAAGGGC
TCGCCGACGCTCCCCACCCCGCCTGGCACCTCACCTGCCGACTGAAGATGCCACCTTG
CCGTGCGAGGAGAGCCCCACCCACTGTGCACCTTGATCCCCCGCATGGCAAGCATGAAG
CTGGCCAACCCGCGCCACTTTGCTGAGTCTGAAAAAATTTTGCCTGAGTACCAAAGAGGTG
CCTCGGCTGAAGCTCCAGGAAAGCCGGGACCCAGGTTCCAGCGGCCCTCTTCCCAGAA
ACCAAGTTTAAAGTAGGTCCGGGACTGCACCTCCACCGCAGCAGGACCTGGTGGGACACAGG
NCAACCGCCCTAACCCCTGATTCTGTCGCCGCTTCTGGCCCTGNGGAGCCAACACTTANG
AGCAGGCAGGACAGGCACTTTCTACAGCACCTGTTGGGGATGGGCATGAACTACTGTGTG
AGGTACATGGNCTGTGNNTGAANTGCTGCAATCAATGAAATCACTGGNATTTTGGAAATG
AGAACCAANGTACAGGGNAAGCAATNAGTCGCCTGTGTGAAACTGTCCCCGGGCAATG
    
```

Restriction Sites:

NotI-NotI

ACCN:	NM_203349
Insert Size:	1600 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:	<ol style="list-style-type: none">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_203349.2 , NP_976224.2
RefSeq Size:	4563 bp
RefSeq ORF:	1893 bp
Locus ID:	399694
UniProt ID:	Q6S5L8
Cytogenetics:	15q21.1
Protein Pathways:	Chemokine signaling pathway, Chronic myeloid leukemia, ErbB signaling pathway, Focal adhesion, Glioma, Insulin signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway
Gene Summary:	Activates both Ras-dependent and Ras-independent migratory pathways in melanomas. Contributes to the early phases of agrin-induced tyrosine phosphorylation of CHRNB1. [UniProtKB/Swiss-Prot Function]