

## Product datasheet for **RN217016**

### **Shc4 (NM\_001191065) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Shc4 (NM_001191065) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Shc4
Synonyms:	RGD1309182
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217016 representing NM\_001191065  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGAGAACGCAGCCAGGACAGCCAGGCAGGACTCACGCTGTATGTAGGACTCTTTGGGCACCTGGGGA  
 TGCTTACAGGACCAAGTACAGCCGCTTTCGGAACGAGTCCATCACGCTCTTTGGACGAAGGGAGCCCGG  
 AGGCTCGGTTGGAAACAAGGGCTCATCGCCACCTCCTTACGCAGCCCTGACCCCTCACCTGCCTGTGAA  
 GATGCCACTGTGCCAACCAAGGAGAGCCCAACCGCGCTGTGCACCTTGATTCCCCGTATGGCAAGCATGA  
 AGCTGGCCAAACCCGTCACCTTTCTGAGTCTGAAAACCTTCTGCCTGGGTTGAAACAGGTGCCAGGCT  
 GAAGCTCCAAGAGAACCAGGATCAGACTCCAAGCAGCCAGCGTCCCAGAAACAGTCTGAATAGTACT  
 GGGCTGCACCTACACCTCTCCGGACCAGGTGGGATGCAGGCCACCTCCTTGCCTCTGATACTTGCC  
 CACTGCCTGGGCCTGGAGAACCAAAACCTAGGAGCAAGCAGGATGGACCTCCTTGCAGCACCTGTTGGG  
 GAACGGTCTCACTACTGTGTGAGGTACATGGGCTGCATTGAAGTCTGCAGTCAATGAGGTCAGTGGAT  
 TTTGGAATGAGAACCAGTTACAAGGGAAGCAATAAGTCGCCTGTGTGAAGCTGTCCCTGGGGTCCATG  
 GAGCCATTAATAAACGAAAGGCTCCCGTTAAGTTCCTGACAACGGTTCTTGGCAAAGCAATCTTCAGTT  
 TTCAGGAATGAATATAAACTGACTGTTTCAACAAGCAGCCTCACGCTGATGAACCTTGACAACCAACAG  
 ATTATTGCAAAATCAATGCAATCGATTTCTTTGCCTCTGGAGGGGATCCTGATACACAGACTATG  
 TTGCCTATGTAGCTAAAGATCCAGTCAACCAACGAGCGTCCACATCCTGGAGTGTGCGAGTGGAACGGC  
 CCAAGATATCATAAGCACCATAGGGCAGGCCTTGGAGTCCGGTTCAAACAGTACTTGAAGAATCCTTCC  
 TTGAACACTTGGGAAAGGAGGAGGTCTTGTGATGGCACCTCTGAAGACAGAGGCCACGACTATTACA  
 ACTCCATCCCAGGAAGCAGCCCTGCAGGCGCATTCAGATGTGCGGATCCAGGTTCAAGCAGATCC  
 AGTGGCTTACTGCCCTATCCGGTGTGAGAAGTTGTGCTATTTGCCCGGGACCTCCACGTGCAGCGCGTG  
 TACAAGAAGTGCATGGGACGGAGCAGGCCAATCGGTATCCCCACGAGAGAGCGATGCAGAGTGACGCTG  
 CATCGCTGAGGCACTTCTGGCGAGTGGATCTCTTTGATGACCCCTGCTATGTCAATACACAGAATATGCG  
 CGGCTGTGCTGGAAATCAAAGCTCAACTCTGCCACAAGGGAGCCCATGGCACCTTGGAAAGGCACCAGAG  
 ACCGTGCAGCCAGGAGCCACCGCAAGCCTGGGAGCTCACACGCTTTGCCACACATTAAGCAGCAACTGT  
 GGAGTGAGGAATGCTTCCACGGCAGGCTGAGCAGGGGGCAGCGGAGAGACTTTTGGTGAAGGATGGGGA  
 CTTTTTGGTTCGAGAGAGTGTGACATCTCTGGCCAGTTTGTACTGAGCGGACTGCAAGGCGCCAGGCC  
 AAGCATCTTCTTGGTGGATCCTGAAGGCAAGGTGAGGACCAAGGACCATGTGTTTGATAATGTTGGCC  
 ACCTGATCAAATACCACATGGATAATAGTTTGCCAATCATCTCTTCTGGAAGTGAAGTAAGCCTTAACA  
 ACCAGTAAAAAACAATAAACCAGGACTTTCGCACTCGAAGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001191065
- Insert Size:** 1869 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\\_001191065.1](#), [NP\\_001177994.1](#)

**RefSeq Size:** 1869 bp

**RefSeq ORF:** 1869 bp

**Locus ID:** 679845

**Cytogenetics:** 3q36