

Product datasheet for **RR217016**

Shc4 (NM_001191065) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR217016 representing NM_001191065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGAGAACCGCAGCCAGGACAGCCAGGCAGGACTCACGCTGTATGTAGGACTCTTTGGGCACCTGGGGA
 TGCTTACAGGACCAAGTACAGCCGCTTTCGGAACGAGTCCATCACGCTCTTTGGACGAAGGGAGCCCGG
 AGGCTCGGTTGGAAACAAGGGCTCATCGCCACCTCCTTACGCAGCCCTGACCCCTCACCTGCCTGTGAA
 GATGCCACTGTGCCAACCAAGGAGAGCCCAACCGCGCTGTGCACCTTGATTCCCCGTATGGCAAGCATGA
 AGCTGGCCAACCCGTCACCTTTCTGAGTCTGAAAACCTTCTGCCTGGGTTGAAACAGGTGCCAGGCT
 GAAGCTCCAAGAGAACCAGGATCAGACTCCAAGCAGCCAGCGTCCCAGAAACAGTCTGAATAGTACT
 GGGCTGCACCTACACCTCTCCGGACCAGGTGGGATGCAGGCCACCTCCTTGCCTCTGATACTTGCC
 CACTGCCTGGGCCTGGAGAACCAAAACCTAGGAGCAAGCAGGATGGACCTCCTTGCAGCACCTGTTGGG
 GAACGGTCTCACTACTGTGTGAGTACATGGGCTGCATTGAAGTCTGCAGTCAATGAGGTCAGTGGAT
 TTTGGAATGAGAACCAGTTACAAGGGAAGCAATAAGTCGCCTGTGTGAAGCTGTCCCTGGGGTCCATG
 GAGCCATTAACAAAGGCTCCCGTTAAGTTCCTGACAACGGTTCCTGGCAAAGCAATCTTCAAGT
 TTCAGGAATGAATATAAACTGACTGTTTCAACAAGCAGCCTCACGCTGATGAACCTTGACAACCAACAG
 ATTATTGCAATCATCAAATGCAATCGATTTCTTTGCCCTCTGGAGGGGATCCTGATACCACAGACTATG
 TTGCCTATGTAGCTAAAGATCCAGTCAACCAACGAGCGTCCACATCCTGGAGTGTGCGAGTGAACGGC
 CCAAGATATCATAAGCACCATAGGGCAGGCCTTGGAGTCCGGTTCAAACAGTACTTGAAGAATCCTTCC
 TTGAACACTTGGAAAGGGAGGAGTCTTGTGATGGCACCTTGAAGACAGAGGCCACGACTTACA
 ACTCCATCCCAGGAAGCAGCCCTGCAGGCGGCATTGCAGATGTGCGGATCCAGGTTCAAGCAGATCC
 AGTGGCTTACTGCCCTATCCGGTGTGAGAAGTTGTGCTATTTGCCGGGACCTCCACGTGCAGCGCGTG
 TACAAGAAGTGCATGGGACGGAGCAGGCCAATCGGTATTTCCACGAGAGAGCGATGCAGAGTGACGCTG
 CATCGCTGAGGCACTTCTGGCGAGTGGATCTTTGATGACCCCTGCTATGTCAATACACAGAATATGCG
 CGGCTGTGCTGGAAATCAAAGCTCAACTCTGCCACAAGGGAGCCCATGGCACCTTGGAAAGGCACCAGAG
 ACCGTGCAGCCAGGAGCCACCGCAAGCCTGGGAGCTCACACGCTTTGCCACACATTAAGCAGCAACTGT
 GGAGTGAAGATGCTTCCACGGCAGGCTGAGCAGGGGGCAGCGGAGAGACTTTTGGTGAAGGATGGGGA
 CTTTTTGGTTCGAGAGAGTGTGACATCTCTGGCCAGTTTGTACTGAGCGGACTGCAAGGCGGCCAGGCC
 AAGCATCTTCTTGGTGGATCCTGAAGGCAAGGTGAGGACCAAGGACCATGTGTTTGAATGTTGGCC
 ACCTGATCAAATACCACATGGATAATAGTTTGCCAATCATCTTCTTGGAAAGTGAAGTAAGCCTTAACA
 ACCAGTAAAAAACATAATAACCCAGGACTTTCGCACTCGAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217016 representing NM_001191065
 Red=Cloning site Green=Tags(s)

MRERSQDSQAGLTLVYGLFGHLGMLHRTKYSRFRNESITSLDEGSPGGSVGNKGSPPPYAALTPHLP
 DATVNPQESPTALCTLIPRMASMKLANPVTFSLKTFCLGSKQVPRLKLQENQDQTPSSPASPETSLNST
 GPAPTPLPDQVGRPTSLRPDTCPLPGGEPNPRSKQDGPPLQHLLGNLNYCVRYMGCIEVLQSMRSLD
 FGMRTQVTREAI
 SRLCEAVPGVHGAIKRKAPVKFLTTVLGKSNLQFSGMNIKLTVSTSSLTLMNLDNQ
 IIANHMQSISFASGGDPD
 TTDYVAYVAKDPVNQRACHILECRSGTAQDIIISTIGQAFELRFKQYLKNPS
 LNTWEREEVLVDGTS
 SEDRGHDYNSIPGKQPPAGGIADVRIQVQADPVAYCPIRCEKLCYLPSTCSGV
 YKNCMGRSRPIGIPHERAMQSDAASLRHFWRVDFDDPCYVNTQNMRCAGNQSSTLPQGGSPWHLGKAPE
 TVQPGATAKPGSSHALPHIKQQLWSEECFHGRLSRGAERLLVKDGDVFLVRESVTS
 SPGQFVLSGLQGGQA
 KHL
 LLDVPEGKVRTKDHVFDNVGHLIKYHMDNSLPIISSGSEVSLKQPVKHHNPLGSHSKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001191065

ORF Size: 1866 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

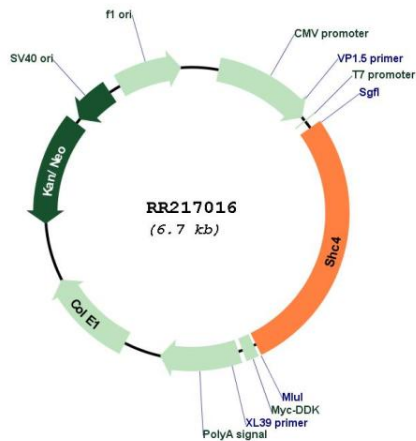
RefSeq ORF: 1869 bp

Locus ID: 679845

Cytogenetics: 3q36

MW: 67.7 kDa

Product images:



Circular map for RR217016