

## Product datasheet for **MC219880**

### Shc4 (NM\_199022) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Shc4 (NM_199022) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shc4
Synonyms:	6230417E10Rik; 9930029B02Rik; Gm685; RaLP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219880 representing NM\_199022  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGAGAACGCAGCCAGGACAGCCAGGCAGGACTCACGCTGTATGTAGGACTCTTTGGGCACCTGGGGA  
 TGCTTCACAGGACCAAGTACAGCCGCTTTCGGAACGAGTCCATCACGCTCTTTGGACGAAGGGAGCCCGG  
 AGGCTCCGTTGGAAACAAGGGCTCGTCGCCCTCCCTACCCAGCCCTGGCCCTCACCTGCCGACTGAG  
 GATGCCACTGTGTCCAGCCAGGAGACCCACGGCGCTGTGCACCTTGATTCCCGTATGGCAAGCATGA  
 AGCTGGCCAACCCATCACTTTTCTGGGTCTGAAAACCTTCTGCTTGGGTACGAAACAGGTGAGCCGGTT  
 GAAGCTCCAAGAGAACCAGGATCAGACTCCAAGCCGTCCAGCGTCCCAGAATCCAATCTAACAGGACT  
 GGACCTGCACCTGCACCGGATCCGGACCAGGTGGGACGCAGGCCACCTCTTTCGCTCTGATACTTGCC  
 CACTGCCTGGCCCTGGAGAACCAAGCCCAAGGAGCAAGCAGGACGGGCCCTCTGCAGCACCTGTTGGG  
 GAACGGTCTGAACTACTGTGTGCGGTACATGGGCTGCATTGAAGTCTGCAATCAATGAGGTCACCTGGAT  
 TTTGGAATGAGAACCAGTTACAAGGGAAGCAATAAGTCGCCTGTGTGAAGCTGTCCCCGGGGCCCATG  
 GAGCCATTAACAAAGCAAGGCTCCCGTTAAGTTCCTGACAACGGTTCTTGGCAAAAGCAATCTTCAGTT  
 TTCAGGAATGAATATAAACTGACTGTTTCAACAAGCAGCCTCACACTGATGAACCTTGACAACCAACAG  
 ATTATTGCAATCACCAATGCAATCGATTTTCATTTGCCTCTGGAGGGGACCCTGATACCCAGACTATG  
 TTGCCTATGTAGCTAAAGATCCAGTCAACCAACGAGCGTCCACATACTGGAGTGTGCGAGTGGAATGGC  
 CCAAGACGTCAATAAGCACCATAGGGCAGGCCTTGAACCCGGTTCAAACAGTACTTGAAAAATCCTTCC  
 TTGAACACTTGGGAAAGGAGGAGGTACTTGTGATGGTGCCTGAAGACAGAGACCATGACTATTACA  
 ACTCCATCCCGGGGAAGCAGCCACCTGAAGGCGGCATTTAGATGTGCGCATCCAGGCTCAAGCTACAGA  
 CCAATGGCATACTGCCCTATCCGGTGTGAAAAGTTGTGCTATTTGCCTGGGAACTCCACGTGCAGCGGT  
 GTGTATAAGAAGTGTATGGGACGGAGCAGGCCAATAGGTATCCCGCACGAGAGAGCGGGGACGGGTGACA  
 CACCATCGCTGAGGCACTTCTGGAGAGTGGATCTCTTTGACGACCCTGTATGTCAATACACAGGCTCT  
 TCAGAGTATGCACAGCTATGCTGGAATCAAAAGCTCAGCTCTGCCACAGGGGAGCCCTGGCACCTCGGA  
 AAGGCACCAGAACTGTGCAGCCTGGAGCCACGGCCAAGCCTGGGAGCGCACTCGCTTGGCACACATTA  
 GGCAGCAGCTGTGGGACGAGGAGTGTCCATGGCAAGCTGAGCAGAGGGGACGGGAGAACTTTTGGT  
 GAAGGATGGGACTTTTTGGTTCGAGAGAGTGTGACATCTCCCGCCAGTTTGTACTGAGTGGACTGCAA  
 GGTGGCCAGGCCAAGCATCTTCTTGGTGGATCCAGAAGGCAAGGTGAGGACCAAGGACCATGTGTTTG  
 ATAATGTTGGCCACCTTATCAAATACCATATGGATAATAATTTGCCAATCATCTCTTCTGGAAGTGAAGT  
 ACGCCTTAACAACCAATAAGAAAATATGATAACACAGGACTTTTGCCCCCAAGAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_199022
- Insert Size:** 1881 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\\_199022.2](#), [NP\\_950187.1](#)

**RefSeq Size:** 4820 bp

**RefSeq ORF:** 1881 bp

**Locus ID:** 271849

**UniProt ID:** [Q6S5L9](#)

**Cytogenetics:** 2 F1

**Gene Summary:** Activates both Ras-dependent and Ras-independent migratory pathways in melanomas. Contributes to the early phases of agrin-induced tyrosine phosphorylation of CHRN1.  
[UniProtKB/Swiss-Prot Function]