

Product datasheet for **MG218423**

Shc4 (NM_199022) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shc4 (NM_199022) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Shc4
Synonyms:	6230417E10Rik; 9930029B02Rik; Gm685; RaLP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218423 representing NM_199022
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGAGAACCGCAGCCAGGACAGCCAGGCAGGACTCACGCTGTATGTAGGACTCTTTGGGCACCTGGGGA
 TGCTTACAGGACCAAGTACAGCCGCTTTCGGAACGAGTCCATCACGCTTTGGACGAAGGGAGCCCGG
 AGGCTCCGTTGGAAACAAGGGCTCGTCGCCCTCCCTACCCAGCCCTGGCCCTCACCTGCCGACTGAG
 GATGCCACTGTGTCCAGCCAGGAGACCCACGGCGCTGTGCACCTTGATTCCCGTATGGCAAGCATGA
 AGCTGGCCAACCCATCACTTTTCTGGGTCTGAAAACCTTCTGCTTGGGTACGAAACAGGTGAGCCGGT
 GAAGCTCCAAGAGAACCAGGATCAGACTCCAAGCCGTCCAGCGTCCCAGAATCCAATCTAACAGGACT
 GGACCTGCACCTGCACCGGATCCGGACCAGGTGGGACGCAGGCCACCTTTTGGCTCTGATACTTGCC
 CACTGCCTGGCCCTGGAGAACCAAGCCCAAGGAGCAAGCAGGACGGGCCCTCTGCAGCACCTGTTGGG
 GAACGGTCTGAACTACTGTGTGCGGTACATGGGCTGCATTGAAGTCTGCAATCAATGAGGTCAGTGGAT
 TTTGGAATGAGAACCAGTTACAAGGGAAGCAATAAGTCGCCTGTGTGAAGCTGTCCCGGGGCCCATG
 GAGCCATTAACAAAGGCTCCCGTTAAGTTCCTGACAACGGTTCTTGGCAAAAGCAATCTTCAAGT
 TTCAGGAATGAATATAAACTGACTGTTTCAACAAGCAGCCTCACACTGATGAACCTTGACAACCAACAG
 ATTATTGCAATCACCAATGCAATCGATTTTCATTTGCCCTCTGGAGGGGACCCTGATACCCAGACTATG
 TTGCCTATGTAGCTAAAGATCCAGTCAACCAACGAGCGTCCACATACTGGAGTGTGCGAGTGAATGGC
 CCAAGACGTCAATAAGCACCATAGGGCAGGCCTTGAACCCGGTTCAAACAGTACTTGAAAAATCCTTCC
 TTGAACACTTGGGAAAGGAGGAGTACTTGTGATGGTGCCTGAAGACAGAGACCATGACTATTACA
 ACTCCATCCCGGGGAAGCAGCCACCTGAAGCGGCATTTTCAGATGTGCGCATCCAGGCTCAAGCTACAGA
 CCAATGGCATACTGCCCTATCCGGTGTGAAAAGTTGTGCTATTTGCCTGGGAACCTCCACGTGCAGCGGT
 GTGTATAAGAAGTGTATGGGACGAGCAGGCCAATAGGTATCCCGCACGAGAGAGCGGGGACGGGTGACA
 CACCATCGCTGAGGCACTTCTGGAGAGTGGATCTCTTTGACGACCCCTGCTATGTCAATACACAGGCTCT
 TCAGAGTATGCACAGCTATGCTGGAATCAAAAGCTCAGCTCTGCCACAGGGGAGCCCTGGCACCTCGGA
 AAGGCACCAGAACTGTGCAGCCTGGAGCCAGGCCAAGCCTGGGAGCGCACTCGCTTGGCACACATTA
 GGCAGCAGCTGTGGGACGAGGAGTGTCCATGGCAAGCTGAGCAGAGGGGACGGGAGAACTTTTGGT
 GAAGGATGGGACTTTTTGGTTCGAGAGAGTGTGACATCTCCCGCCAGTTTGTACTGAGTGGACTGCAA
 GGTGGCCAGGCCAAGCATCTTCTTGGTGGATCCAGAAGCAAGGTGAGGACCAAGGACCATGTGTTTG
 ATAATGTTGGCCACCTTATCAAATACCATATGGATAATAATTTGCCAATCATCTCTTCTGGAAGTGAAGT
 ACGCCTTAACAACCAATAAGAAAATATGATAACACAGGACTTTTGCCCCCAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218423 representing NM_199022
 Red=Cloning site Green=Tags(s)

MRERSQDSQAGLTLYVGLFGHLGMLHRTKYSRFRNESITSLDEGSPGGSVGNKGSPPYPALAPHLPT
 DATVSSQESPTALCTLIPRMAKLANPITFLGLKTFCLGKQVSRLLKLENQDQTPSRPASPELNRT
 GPAPAPDPDQVGRRPTSLRPDTCPLPGPEPSRQKQDGPPLQHLLGNLNYCVRYMGCIEVLQSMRSLD
 FGMRTQVTREAI SRLCEAVPGAHGAIKRKAAPVKFLTTVLGKSNLQFSGMNIKLVSTSSLTLMNLDNQ
 IIANHQMSISFASGGDPDITDYVAVYAKDPVNQRACHILECRSGMAQDVIISTIGQAFELRFKQYLKNPS
 LNTWEREEVLVDGAPEDRDHDYNSIPGKQPPEGGISDVRIQAQATDQMAVCPICEKLCYLPGNSTCSG
 VYKNCMGRSRPIGIPHERAGQGDTPSLRHFWRVDLFDPCYVNTQALQSMHSYAGNQSSALPQGSFWHLG
 KAPETVQPGATAKPGSALALPHIRQQLWDEECFHGKLSRGAEEKLLVKDGFVRESVTSFGQFVLSGLQ
 GGQAKHLLLVDPGKVRTKDHVFDNVGHLIKYHMDNLP IISGSEVRLKQPIRKYDNTGLLPPKK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<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_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]