

Product datasheet for **SC215118**

SHC (SHC1) (NM_003029) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SHC (SHC1) (NM_003029) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SHC1
Synonyms:	SHC; SHCA
ACCN:	NM_003029
Insert Size:	1535 bp



[View online »](#)

Insert Sequence: >SC215118 3'UTR clone of NM_003029
The sequence shown below is from the reference sequence of NM_003029. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTACAGCAACCTGTGGAGCGGAAACTGTGATCTGCCCTAGCGCTCTCTTCCAGAAGATGCCCTCCAATC
CTTTCCACCCTATTCCCTAACTCTCGGGACCTCGTTTGGGAGTGTCTGTGGGCTTGGCCTTGTGTGAG
AGCTGGGAGTAGCATGGACTCTGGGTTTCATATCCAGCTGAGTGAGAGGGTTTGTAGTCAAAAAGCTGGG
TGAGAATCTGCCTCTCCCAAACATTAATCACCAAAGTATTAATGTACAGAGTGGCCCTCACCTGGG
CCTTTCTGTGCCAACCTGATGCCCTTCCCAAAGAAGGTGAGTGCTTGTATGAAAAATGCTCTGTGG
TGACAGGCCAGTGGAACAGTACCCTTCTGGGCAAGGGGAACAAATCACACCTCTGGGCTTCAGGGT
ATCCCAGACCCCTCTCAACACCCGCCCCCATGTTAAACTTTGTGCCCTTGACCATCTCTTAGGTC
TAATGATATTTTATGCAAACAGTTCTTGGACCCCTGAATTCATGACAGGGATGCCAACACCTTCTTGG
CTTCTGGGACCTGTGTTCTTGTGAGCACCTCTCCGGTTTGGGTGGGATAACAGAGGCAGGAGTGGC
AGCTGTCCCTCTCCCTGGGGATATGCAACCTTAGAGATTGCCCCAGAGCCCACTCCCGCCAGGCG
GGAGATGGACCCCTCCCTTGCTCAGTGCCTCTGGCCGGGGCCCTCACCCAAAGGGTCTGTATATAC
ATTTTCATAAGGCCTGCCCTCCCATGTTGCATGCCTATGTACTCTACGCCAAAGTGACGCCCTTCTCCT
GAAGCCTCTGCCCTGCCTCCCTTCTGGGAGGGCGGGTGGGGTGAAGTATTTGGGCCTTGTGACA
GTAACTCTCCAGGTGGATTTTGTGGAGGTGAGAAAAGGGGCATTGAGACTATAAAGCAGTAGACAAT
CCCCACATACCATCTGTAGAGTTGGAATGCATTCTTTAAAGTTTTATATGCATATATTTAGGGCTG
TAGACTTACTTTCTATTTCTTTCCATTGCTTATTCTTGAGCACAAAATGATAATCAATTATTACAT
TTATACATCACCTTTTTGACTTTTCCAAGCCCTTTACAGCTCTTGGCATTTCCTCGCCTAGGCCCTGT
GAGGTAAGTGGGATCGCACCTTTTATACAGAGACCTGAGGCAGATGAAATTTATTTCCATCTAGGACT
AGAAAAACTTGGGTCTCTTACCAGGAGACTGAGAGGCAGAAAGTACAGCCGAATGCCTGTCAGTTTCATG
GAGGGGAAACGCAAAACCTGCAGTTCCTGAGTACCTTCTACAGGCCCGGCCAGCCTAGGCCCGGGTG
GCCACACCACAGCAAGCCGGCCCCCTCTTTGGCCTTGTGGATAAGGGAGAGTTGACCGTTTTTCATC
CTGGCCTCCTTTGCTGTTTGGATGTTTCCACGGGTCTCACTTATACCAAAGGGAAAACCTTTCATTAA
AGTCCGTATTTCTTCTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003029.5](#)

Summary:

This gene encodes three main isoforms that differ in activities and subcellular location. While all three are adapter proteins in signal transduction pathways, the longest (p66Shc) may be involved in regulating life span and the effects of reactive oxygen species. The other two isoforms, p52Shc and p46Shc, link activated receptor tyrosine kinases to the Ras pathway by recruitment of the GRB2/SOS complex. p66Shc is not involved in Ras activation. Unlike the other two isoforms, p46Shc is targeted to the mitochondrial matrix. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]

Locus ID:

6464

MW:

55.5