Recombinant Human SHC1, His-tagged

Cat. No. SHC1-3579H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SHC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-474aa).
Species	Human
Source	E.coli
Description	SHC1 (SHC-transforming protein 1) belongs to the SH2 domain family. SHC1 has been found to be important in the regulation of apoptosis and drug resistance in mammalian cells. It is a signaling adapter that couples activated growth factor receptors to signaling pathway. SHC1 expressed in neural stem cells but absent in mature neurons.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT,20% glycerol, 200mM NaCl, 0.1mM PMSF
Molecular Weight	53.8kDa (494aa)
Purity	> 90% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MNKLSGGGGR RTRVEGGQLG GEEWTRHGSF VNKPTRGWLH PNDKVMGPGV SYLVRYMGCV EVLQSMRALD FNTRTQVTRE AISLVCEAVP GAKGATRRRK PCSRPLSSIL GRSNLKFAGM PITLTVSTSS

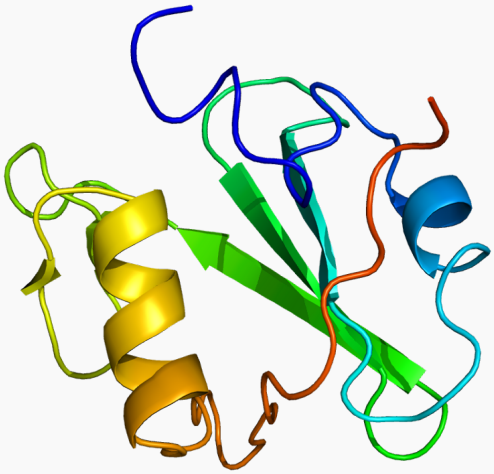
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LNLMAADCKQ IIANHHMQSI SFASGGDPDT AEYVAYVAKD PVNQRACHIL ECPEGLAQDV ISTIGQAFEL RFKQYLRNPP KLVTPHDRMA GFDGSAWDEE EEEPPDHQYY NDFPGKEPPL GGVVDMRLRE GAAPGAARPT APNAQTPSHL GATLPVGQPV GGDPEVRKQM PPPPPCPAGR ELFDDPSYVN VQNLDKARQA VGGAGPPNPA INGSAPRDLF DMKPFEDALR VPPPPQSVSM AEQLRGEPWF HGKLSRREAE ALLQLNGDFL VRESTTTPGQ YVLTGLQSGQ PKHLLLVDPE GVVRTKDHRF ESVSHLISYH MDNHLPIISA GSELCLQQPV ERKL
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SHC1 SHC (Src homology 2 domain containing) transforming protein 1 [Homo sapiens]
Official Symbol	SHC1
Synonyms	SHC1; SHC; SHCA; FLJ26504; SHC (Src homology 2 domain containing) transforming protein 1; SHC-transforming protein 1; OTTHUMP00000035407; OTTHUMP00000035408; OTTHUMP00000035409; OTTHUMP00000035471; OTTHUMP00000035472; SH2 domain protein C1; SHC-transforming protein 3; SHC-transforming protein A; src homology 2 domain-containing-transforming protein C1; SHC (Src homology 2 domain-containing) transforming protein 1; Src homology 2 domain-containing-transforming protein C1
Gene ID	6464
mRNA Refseq	NM_001130040
Protein Refseq	NP_001123512

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	600560
UniProt ID	P29353
Chromosome Location	1q21
Function	epidermal growth factor receptor binding; insulin receptor binding; insulin-like growth factor receptor binding; phospholipid binding; protein binding; transmembrane receptor protein tyrosine kinase adaptor activity
PDBrendering based on 1mil.	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA