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**Product Data Sheet**


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Product Name: SHC1 Human  
 Cat. No.: GP24580  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SHC (Src homology 2 domain containing) transforming protein 1; SHC; SHCA; SH2 domain protein C1; SHC-transforming protein 3; SHC-transforming protein A; FLJ26504; p66.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MNKLSGGGGR RTRVEGGQLG GEEWTRHG SF VNKPTRGWLH PNDKVMGPGV SYLVRYMGCV EVLQSMRALD FNTRTQVTRE AISLVCEAVP GAKGATRRRK PCSRPLSSIL GRSNLKFAGM PITLTVSTSS 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		
Formulation	SHC1 protein (1mg/ml) is supplied in 20mM Tris-HCl, pH-8, 2mM DTT, 200mM NaCl, 0.1mM PMSF and 20% Glycerol.		

**Introduction**

SHC1 is a member of the SH2 domain family. SHC1 is vital to the regulation of apoptosis and drug resistance in mammalian cells. SHC1 is a signaling adapter which links activated growth factor receptors to signaling pathway. SHC1 is found in neural stem cells but not in mature neurons.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SHC1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 494 amino acids (1-474) and having a molecular mass of 53.8 kDa. The SHC1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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