

Recombinant human SHC1 protein

Catalog Number: ATGP1128

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-474aa

UniProt No.

P29353

NCBI Accession No.

NP_003020

Alternative Names

SHC-transforming protein 1, FLJ26504, SH2 domain protein C1, SHC, SHC-transforming protein 3, p66, MGC98812, SHCA, Src homology 2 domain containing transforming protein C1

PRODUCT SPECIFICATION

Molecular Weight

53.8 kDa (494aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl, 0.1mM PMSF

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human SHC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MNKLSGGGGR RTRVEGGQLG GEEWTRHGSF 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 PKHLLLDPE GVVRTKDHRF ESVSHLISYH
MDNHLPIISA GSELCLQQPV ERKL

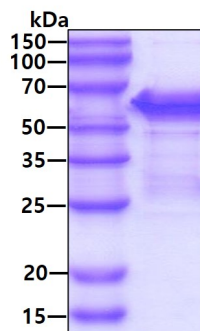
General References

Debnath J., et al. (2010) Oncogene. 29(41):5556-8.

Zhou M.-M., et al. (1995) Proc. Natl. Acad. Sci. u.S.A. 92:7784-7788

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.