

SHC1, 1-474aa, Human, His tag, E.coli

Cat.NO.: TP03930

3th Edition

Synonyms:SHC-transforming protein 1, SHC, SHCA

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. General

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)

Sequences:

MGSSHHHHHSSGLVPRGSHMNKLSGGGRRTRVEGGQLGGEEWTRHGSEVFNKPTRGWLHPNDKVMGPGVS
YLVRYMGCVEVLQSMRALDFNTRTQVTREAISLVCEAVPGAKGATRRRKPCSRPLSSILGRSNLKFAGMPITLTVST
SSLNLMAADCKQIIANHHMQSISFASGGDPDTAEYVAYVAKDPVNQRACHILECPEGLAQDVISTIGQAFELRFKQY
LRNPPKLVTPHDMAGFDGSAWDEEEEEPPDHQYYNDFPGKEPPLGGVDMRLREGAAPGAARPTAPNAQTPS
HLGATLPVGGQPVGGDPEVRKQMPPPPPCPAGRELFDDPSYVNVQNLDKARQAVGGAGPPNPAINGSAPRDLFDM
KPFEDALRVPPPPQSVSMAEQLRGEPWFHGKLSRREAEALLQLNGDFLVRESTTTPGQYVLTGLQSGQPKHLLLV
DPEGVVRTKDRHFESVSHLISYHMDNHLPIISAGSELCLQQPVERKL

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.