

STIP1, 1-543aa, Human, E.coli

Cat.NO.: TP04060

3th Edition

Synonyms: Stress-induced-phosphoprotein 1, STI1, HEI-S-94n, HOP, IEF-SSP-3521, P60, STI1L, Epididymis secretory sperm binding protein Li 94nHEL S 94n.

Description: STIP1, also known as stress-induced-phosphoprotein 1 isoform b, belongs to the large group of co-chaperones. The main function of STIP1 is to link Hsp70 and Hsp90 together. STIP1 also modulates the chaperone activities of the linked proteins and possibly interacts with other chaperones and proteins. It forms a complex with HSC70 and HSPCA/HSP-86 and HSPCB/HSP-84, as well as interacting with PACRG. Recombinant human STIP1 was expressed in E.coli and purified by using conventional chromatography techniques

Form: Liquid. In 20mM Tris-HCl (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl

Molecular Weight: 62.6kDa (543aa), confirmed by MALDI-TOF

Sequences:

MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAYAKKGDYQKAYEDGCKTVDLKPDWGKGY
SRKAAALEFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNPFNMPNLYQKLESDPRTTRLLSDP
TYRELIEQLRNKPSDLGTLKLDPRIMTTLSVLLGVDLGSMDDEEEIATPPPPPPPKKETKPEPMEEDLPENKKQALK
EKELGNDAYKKKDFDTALKHYDKAKELDPTNMTYITNQAAYVFEKGDYKCRELCEKAIEVGRENREDYRQIAKAY
ARIGNSYFKEEKYKDAIHFNKSLAEHRTPDVLKCKQQAEEKILKEQERLAYINPDLALEEKNGNECFQKGDYPQAM
KHYTEAIKRNPKDAKLYSNRAACYTKLLEFQLALKDCEECIQLEPTFIKGYTRKAAALEAMKDYTKAMDVYQKALDL
DSSCKEAADGYQRCMMAQYNRHDSPELVKRRAMADPEVQQIMSDPAMRLILEQMOKDPQALSEHLKNPVIAQKI
QKLMDEVGLIAIR

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.