

Stip1, 1-543aa, Mouse, His-tag, E.coli

Cat.NO.: TP04061

3th Edition

Synonyms: Stress induced phosphoprotein 1, Hop, p60, Sti1

Description: Stip1, also known as stress induced phosphoprotein 1, 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 mouse Stip1 was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl(pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Molecular Weight: 64.7 kDa (563aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMEQVNELKEKGNKALSAGNIDDALQCYSEAIKLDPQNHVLYSNRSAAYAKKGDY
QKAYEDGCKTVDLKPDWKGYSRKAALFLNRFEAKRTYEEGLKHEANNLQLKEGLQNMEARLAERKFMNPF
NLPNLYQKLENDPRTRSLLSDPTYRELIEQLQNKPSDLGTLQDPRVMTTSLVLLGVDLGSMDDEEEEAATPPPPPP
PKKEPKPEPMEEDLPENKKQALKEKELGNDAYKKKDFDKALKHYDRAKELDPTNMTYITNQA AVHFEKGDYNKCR
ELCEKAIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFNKSLAEHRTPDVLKCCQQA EKILKEQERLAYINP
DLALEEKNGNECFQKGDYPQAMKHYTEAIKRNPDAKLYSNRAACYTKLLEFQLALKDCEECIQLEPTFIKGYTRK
AAALEAMKDYTKAMDVYQKALDLDSSCKEAADGYQRCMMAQYNRHDSPEDEVKRRAMADPEVQQIMSDPAMRLIL
EQMQKDPQALSEHLKNPVIAQKIQLMDVGLIAIR

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Absorbance at 280nm)

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.