

Hip/ST13, 1-369aa, Human, Recombinant, E.coli

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3th Edition

Synonyms:Hsc70-interacting protein, ST13, HOP, SNC6, FAM10A1

Description:Hip (Hsc70-interacting protein), also known as ST13, is a co-chaperone to the major heat shock proteins, Hsp70 and Hsp90, and appears in early receptor complexes. Through mutual binding to both Hsp70 and Hsp90, Hip functions as an adaptor that can integrate Hsp70 and Hsp90 interactions. Also, Hip has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. Recombinant human Hip was expressed in E.coli and purified by using conventional chromatography techniques.

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

Molecular Weight:41.3 kDa (369aa), confirmed by MALDI-TOF

Sequences:

MDPRKVNELRAFVKMCKQDPSVLHTEEMRFLREWVESMGGKVPPATQKAKSEENTKEEKPDSSKKVEEDLKADEP
SSEESDLEIDKEGVIEPDTDAPQEMGDENAEITEEMMDQANDKKVAAIEALNDGELQKAIDLFTDAIKLNPRILAILYAK
RASVFKLQKPNAAIRDCDRAIEINPDSAQPYKWRGKAHRLLGHWEEAAHDLALACKLDYDEDASAMLKEVQPRA
QKIAEHRRKYERKREEREIKERIERVKKAREEHERAQREEEARRQSGAQYGSFPGGFPGMMPGNFPGMMPGMG
GGMPGMAGMPGLNEILSDPEVLAAMQDPEVMVAFQDVAQNPNANMSKYQSNPKVMNLISKLSAKFGGQA

Purity:> 95% by HPLC

Concentration:1 mg/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.