

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

**Cat.NO.: TP02454**

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  
RASVFKLQKPNAAIRDCDRAIEINPDSAQPYKWRGKAHRLLGHWEEAAHDLALACKLDYDEDASAMLKEVQPR  
QKIAEHRKRYERKREEREIKERIERVKKAREEHERAQREEEARRQSGAQYGSFPGGFPGMPGNFPGMPGMG  
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.