

## Recombinant Human Suppression of Tumorigenicity 13 (Colon Carcinoma) (Hsp70 Interacting Protein)

Cat. No. ST13-337H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Hip was expressed in E.coli and purified by using conventional chromatography techniques (369 aa, 41.3 kDa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Formulation</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 0.1 M NaCl, 10% glycerol.
<b>Molecular Weight</b>	41.3 kDa (369 aa).
<b>Purity</b>	> 90% by SDS – PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Endotoxin Level</b>	< 1.0 EU per 1 µg of protein (determined by LAL method).

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**Sequence**

MDPRKVNELR AFVKMCKQDP SVLHTEEMRF LREWVESMGG KVPPATQKAK  
 SEENTKEEKP DSKKVEEDLK ADEPSSEESD LEIDKEGVIE PDTDAPQEMG  
 DENAEITEEM MDQANDKKVA AIEALNDGEL QKAIDLFTDA IKLNRLAIL  
 YAKRASVFKV LQKPNAAIRD CDRAIEINPD SAQPYKWRGK AHRLLGHWEE  
 AAHDLALACK LDYDEDASAM LKEVQPRAQK IAEHRRKYER KREEREIKER  
 IERVKKAREE HERAQREEEA RRQSGAQYGS FPGGFPPGGMP GNFPGGMPGM  
 GGGMPGMAGM PGLNEILSDP EVLAAMQDPE VMVAFQDVAQ NPANMSKYQS  
 NPKVMNLISK LSAKFGGQA

**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.

## GENE INFORMATION

**Gene Name**

ST13

**Synonyms**

ST13; suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein); ST13 suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein); HIP; HOP; P48; AAG2; SNC6; HSPABP; FAM10A1; FAM10A4; HSPABP1; PRO0786; FLJ27260; MGC129952; Hip; OTTHUMP00000028873; heat shock 70kD protein binding protein; Hsp70-interacting protein; Progesterone receptor-associated p48 protein; Protein FAM10A1; Putative tumor suppressor ST13; aging-associated protein 2; progesterone receptor-associated p48 protein; suppression of tumorigenicity 13 (colon carcinoma) (Hsp70-interacting protein); Renal carcinoma antigen NY-REN-33; Suppression of tumorigenicity protein 13.

**Gene ID**

6767

**mRNA Refseq**

NM\_003932.3

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<b>Protein Refseq</b>	NP_003923.2
<b>MIM</b>	606796
<b>UniProt ID</b>	P50502
<b>Chromosome Location</b>	22q13.2
<b>Function</b>	Binding; protein binding, bridging.

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