

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

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

SPECIFICATION

Product Overview	Recombinant human Hip was expressed in E.coli and purified by using conventional chromatography techniques (369 aa, 41.3 kDa).
Species	Human
Source	E.coli
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.
Formulation	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 (369 aa).
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Endotoxin Level	< 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
YAKRASVFEVK LQKPNAAIRD CDRAIEINPD SAQPYKWRGK AHRLLGHWEE
AAHDLALACK LDYDEDASAM LKEVQPRAQK IAEHRRKYER KREEREIKER
IERVKKAREE HERAQREEEA RRQSGAQYGS FPGGFPGGMP 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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Protein Refseq	NP_003923.2
MIM	606796
UniProt ID	P50502
Chromosome Location	22q13.2
Function	Binding; protein binding, bridging.

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