

## Recombinant Human ST13 Protein, MYC/DDK-tagged

**Cat. No.** ST13-1334H    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

Recombinant human Hip without tag was expressed in *E. coli* and purified by using conventional chromatography techniques.

#### Species

Human

#### Source

*E. coli*

#### Description

The protein encoded by this gene is an adaptor protein that mediates the association of the heat shock proteins HSP70 and HSP90. This protein has been shown to be involved in the assembly process of glucocorticoid receptor, which requires the assistance of multiple molecular chaperones. The expression of this gene is reported to be downregulated in colorectal carcinoma tissue suggesting that it is a candidate tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding different isoforms.

#### Molecular Mass

41.3 kDa

#### AA Sequence

```
MDPRKVNELRAFVKMCKQDPSVLHTEEMRFLREWVESMGGKVPPATQKAKSEENT
KEEKPDSSKKVEEDLKADEPSSEESDLEIDKEGVIEPDTDAPQEMGDENAEITEEMMD
QANDKKVAAIEALNDGELQKAIDLFTDAIKLNPRLAILYAKRASVFVKLQKPNAAIRDC
DRAIEINPDSAQPYKWRGKAHRLIGHWEEAAHDLALACKLDYDEDASAMLKEVQPR
AQKIAEHRRKYERKREEREIKERIERVKKAREEHERAQREEEARRQSGAQYGSFPG
GFPGGMPGNFPGGMPGMGGMPGMAGMPGLNEILSDPEVLAAMQDPEVMVAFQ
DVAQN PANMSKYQSNPKVMNLISKLSAKFGGQA
```

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|                       |  |
|-----------------------|--|
| <b>Endotoxin</b>      | < 1.0 EU per 1 µg of protein (determined by LAL method)  |
| <b>Purity</b>         | >90% by SDS - PAGE   |
| <b>Stability</b>      | Shelf life: one year from despatch.  |
| <b>Storage</b>        | Store undiluted at 2-8 centigrade for up to two weeks or (in aliquots) at -20 centigrade or -70 centigrade for longer.<br>Avoid repeated freezing and thawing.   |
| <b>Concentration</b>  | 1.0 mg/ml (determined by Bradford assay)   |
| <b>Storage Buffer</b> | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 0.1 M NaCl, 10% glycerol |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | ST13 ST13 Hsp70 interacting protein [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | ST13  |
| <b>Synonyms</b>        | ST13; ST13 Hsp70 interacting protein; HIP; HOP; P48; AAG2; SNC6; HSPABP; FAM10A1; FAM10A4; HSPABP1; PRO0786; hsc70-interacting protein; Hsp70-interacting protein; aging-associated protein 2; heat shock 70kD protein binding protein; progesterone receptor-associated p48 protein; putative tumor suppressor ST13; renal carcinoma antigen NY-REN-33; suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein); suppression of tumorigenicity 13 protein; testis secretory sperm-binding protein Li 233m |

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|----------------|--------------|
| Gene ID        | 6767         |
| mRNA Refseq    | NM_001278589 |
| Protein Refseq | NP_001265518 |
| MIM            | 606796       |
| UniProt ID     | B4E0U6       |

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