

AR09124PU-N

Recombinant human HIP / FAM10A1 / ST13 (aa 1-369)

Alternate names:

FAM10A1, Hsc70-interacting protein, NY-REN-33, Progesterone receptor-associated p48 protein, Putative tumor suppressor ST13, SNC6, Suppression of tumorigenicity 13 protein

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P50502](#)

NCBI:

[NP_003923](#)

GenelD:

[6767](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

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

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)

Description:

Recombinant human Hip was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MDPRKVNELR AFVKMCKQDP SVLHTEEMRF LREWVESMGG KVPPATQKAK SEENTKEEKP
DSKKVEEDLK ADEPSSEESD LEIDKEGVIE PDTPAQEMG DENAEITEEM MDQANDKKVA
AIEALNDGEL QKAIDLFTDA IKLNRLAIL YAKRASVFK LQKPNAAIRD CDRAIEINPD
SAQPYKWRGK AHRLLGHWE AAHDLALACK LDYDEDASAM LKEVQPRAQK IAEHRRKYER
KREEREIKER IERVKKAREE HERAQREEEA RRQSGAQYGS FPGGFPGGMP GNFPGGMPGM
GGGMPGMAGM PGLNEILSDP EVLAAMQDPE VMVAFQDVAQ NPMNSKYQS NPKVMNLISK
LSAKFGGQA

Molecular weight: 41.3 kDa (369aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Nelson GM., et al. (2004). Mol Endocrinol. 18(7):1620-30.

Pictures:

Recombinant Hip/ST13, aa 1-369: 15%
SDS-PAGE (3 µg)

