Recombinant human HIP/ST13 protein

Catalog Number: HIP0905

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-369aa

UniProt No.
P50502

NCBI Accession No.
NP_003923

Alternative Names
Hsc70-interacting protein, ST13, HOP, SNC6, FAM10A1, Hsc70-interacting protein

PRODUCT SPECIFICATION

Molecular Weight
41.3 kDa (369aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 0.1M NaCl, 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Amino acid Sequence

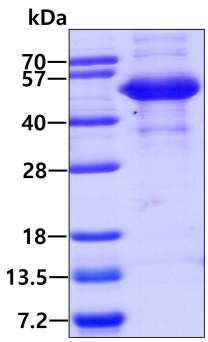
MDPRKVNELR AFVKMCKQDP SVLHTEEMRF LREWVESMGG KVPPATQKAK SEENTKEEKP DSKKVEEDLK ADEPSSEESD LEIDKEGVIE PDTDAPQEMG DENAEITEEM MDQANDKKVA AIEALNDGEL QKAIDLFTDA IKLNPRLAIL YAKRASVFVK LQKPNAAIRD CDRAIEINPD SAQPYKWRGK AHRLLGHWEE AAHDLALACK LDYDEDASAM LKEVQPRAQK IAEHRRKYER KREEREIKER IERVKKAREE HERAQREEEA RRQSGAQYGS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

General References

Nelson GM., et al. (2004). Mol Endocrinol. 18(7):1620-30
Johnson BD., et al. (1998). J Biol chem. 273(6):3679-86

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.