

# Recombinant human STI1/STIP1 protein

Catalog Number: ATGP3391

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-543aa

### UniProt No.

P31948

### NCBI Accession No.

NP\_006810

### Alternative Names

Stress-induced-phosphoprotein 1, Hsc70/Hsp90-organizing protein, Hop, Renal carcinoma antigen NY-REN-11, Transformation-sensitive protein IEF SSP 3521

## PRODUCT SPECIFICATION

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### Molecular Weight

62.6 kDa (543aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 95% by SDS-PAGE

### 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

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### Description

STIP1, also known as stress-induced-phosphoprotein 1 isoform b, belongs to the large group of co-chaperones. The main function of STIP1 is to link Hsp70 and Hsp90 together. STIP1 also modulates the chaperone activities of the linked proteins and possibly interacts with other chaperones and proteins. It forms a complex with HSC70 and HSPCA/HSP-86 and HSPCB/HSP-84, as well as interacting with PACRG. Recombinant human STIP1 was expressed in E. coli and purified by using conventional chromatography techniques

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## Amino acid Sequence

MEQVNELKEK GNKALSVGNI DDALQCYSEA IKLDPHNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPD WGKGYSRKAA  
ALEFLNRFEE AKRTYEEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM PNLYQKLESD PRTRTLLSDP TYRELIEQLR  
NKPSDLGTKL QDPRIMTTLS VLLGVDLGSM DEEEEIATPP PPKKPKETK PEPMEEDLPE NKKQALKEKE LGNDAYKKKD  
FDTALKHYDK AKELDPTNMT YITNQAAVYF EKGDYNKCRE LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI  
HFYNKSLAEH RTPDVLKCCQ QAEKILKEQE RLAYINPDLA LEEKNKGNCE FQKGDYPQAM KHYTEAIKRN PKDAKLYSNR  
AACYTKLLEF QLALKDCEEC IQLEPTFIKG YTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR CMMAQYNRHD  
SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK IQKLM DVGLI AIR

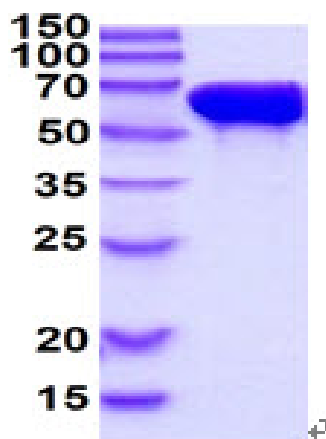
## General References

Johnson BD., et al. (1998) J Biol Chem. 273(6):3679-86.  
Van Der Spuy J., et al. (2001) Protein Expr Purif. 21(3):462-9.

## DATA

### SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)