

# Recombinant mouse STI1/STIP1 protein

Catalog Number: ATGP3526

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-543aa

### UniProt No.

Q60864

### NCBI Accession No.

NP\_058017

### Alternative Names

Stress-induced-phosphoprotein 1, Hsc70/Hsp90-organizing protein, Hop, mSTI1, IEF SSP 3521, p60

## PRODUCT SPECIFICATION

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### Molecular Weight

64.7 kDa (563aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by absorbance at 280nm)

### Formulation

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

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### 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, 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 mouse Stip1 was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MEQVNELKEK GNKALSAGNI DDALQCYSEA IKLDPQNHVL YSNRSAAYAK  
KGDYQKAYED GCKTVDLKPD WGKGYSRCAA ALEFLNRFEE AKRTYEEGLK HEANNLQLKE GLQNMEARLA ERKFMNPFNL  
PNLYQKLEND PRTRSLLSDP TYRELIEQLQ NKPSDLGTKL QDPRVMTTLS VLLGVDLGSM DEEEEAATPP PPPPKKEPK  
PEPMEEDLPE NKKQALKEKE LGNDAYKKKD FDKALKHYDR AKELDPTNMT YITNQAAVHF EKGDYNKCRE LCEKAIEVGR  
ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH RTPDVLKCCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC  
FQKGDYPQAM KHYTEAIKRN PRDAKLYSNR AACYTKLLEF QLALKDCEEC IQLEPTFIKG YTRKAAALEA MKDYTKAMDV  
YQKALDLSS CKEAADGYQR CMMAQYNRHD SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK  
IQKLMDVGLI AIR

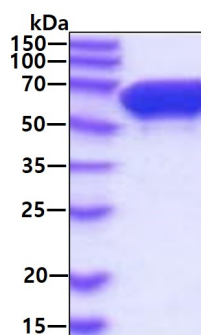
### General References

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



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