

Recombinant human STI1/STIP1 protein

Catalog Number: ATGP3391

PRODUCT INFORMATION

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

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

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
ALEFLNRLEE AKRTYEEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM PNLYQKLESD PRTRTLLSDP TYRELIEQLR
NKPSDLGTLK QDPRIMTTLS VLLGVDLGSM DEEEEIATPP PPPPPKKETK PEPMEEDLPE NKKQALKEKE LGNDAYKKKD
FDTALKHYDK AKELDPTNMT YITNQAAVYF EKG DYNKCRE LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI
HFYNKSLAEH RTPDVLKKCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC FQKGDYPQAM KHYTEAIKRN PKDAKLYSNR
AACYTKLLEF QLALKDCEEC IQLEPTFIKG YTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR CMMAQYNRHD
SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK IQKLMDVGLI AIR

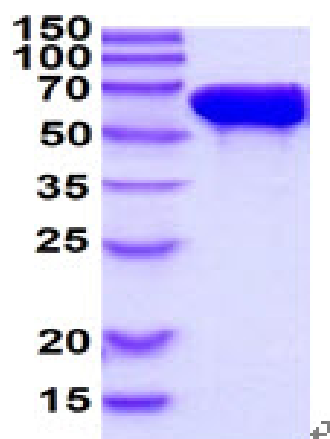
General References

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

(kDa)



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

15% SDS-PAGE (3ug)