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Recombinant mouse STI1/STIP1 protein

Catalog Number: ATGP3526

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-543aa

UniProt No.

060864

NCBI Accession No.

NP 058017

Alternative Names

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

PRODUCT SPECIFICATION

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

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

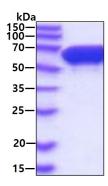
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PNLYQKLEND PRTRSLLSDP TYRELIEQLQ NKPSDLGTKL QDPRVMTTLS VLLGVDLGSM DEEEAATPP PPPPPKKEPK
PEPMEEDLPE NKKQALKEKE LGNDAYKKKD FDKALKHYDR AKELDPTNMT YITNQAAVHF EKGDYNKCRE LCEKAIEVGR
ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH RTPDVLKKCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC
FQKGDYPQAM KHYTEAIKRN PRDAKLYSNR 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



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

