

Recombinant Human Stress-induced-phosphoprotein 1, His-tagged

Cat. No. STIP1-1810H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant human STI1, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques. MW = 64.8 kDa (563aa).

Species

Human

Source

E.coli

Description

Stress-induced-phosphoprotein1 (STI1), also known as HOP, belongs to the large group of co-chaperones. The main function of STI1 is to link Hsp70 and Hsp90 together. But recent investigations indicate that it 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.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MEQVNELKEK GNKALSVGNI DDALQCYSEA
 IKLDPHNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPD WGKGYSRCAA
 ALEFLNRFEE AKRTYEEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM
 PNLYQKLESD PRTRTLLSDP TYRELIEQLR NKPSDLGTKL QDPRIMTTLS
 VLLGVDLGSM DEEEEIATPP PPPPKKETK PEPMEEDLPE NKKQALKEKE
 LGNDAYKKKD FDTALKHYDK AKELDPTNMT YITNQAAYVF EKGDYNKCRE
 LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH
 RTPDVLKKCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC FQKGDYPQAM
 KHYTEAIKRN PKDAKLYSNR AACYTKLLEF QLALKDCEEC IQLEPTFIKG

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YTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR CMMAQYNRHD
 SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK
 IQKLMDVGLI AIR

Form

Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 20% glycerol, 1mM EDTA, 0.2mM PMSF.

Purity

> 90% by SDS – PAGE.

Concentration

1 mg/ml (determined by Bradford assay).

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

STIP1 stress-induced-phosphoprotein 1 [Homo sapiens]

Synonyms

STIP1; stress-induced-phosphoprotein 1; HOP; P60; STI1; STI1L; IEF-SSP-3521; Hsp70/Hsp90-organizing protein; Transformation-sensitive protein IEF SSP 3521; NY-REN-11 antigen; stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein)

Gene ID

10963

mRNA Refseq

NM_006819

Protein Refseq

NP_006810

MIM

605063

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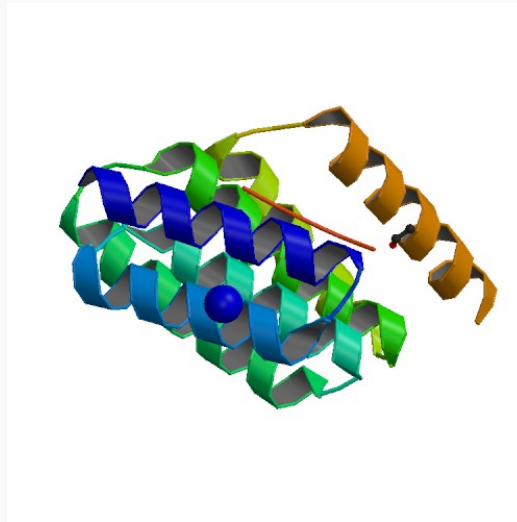
UniProt ID	P31948
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Chromosome Location	11q13
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Pathway	Prion diseases
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Function	protein binding
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PDB rendering based on 1elr.



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