

## Recombinant Human STIP1 Protein, His/GST-tagged

STIP1-670H Human

Lot. No. (See product label)

### Specification

#### Product Overview

Recombinant Human STIP1(Met1~Lys169) fused with His/GST tag at N-terminal was expressed in E. coli.

#### Description

STIP1 is an adaptor protein that coordinates the functions of HSP70 (see HSPA1A; MIM 140550) and HSP90 (see HSP90AA1; MIM 140571) in protein folding. It is thought to assist in the transfer of proteins from HSP70 to HSP90 by binding both HSP90 and substrate-bound HSP70. STIP1 also stimulates the ATPase activity of HSP70 and inhibits the ATPase activity of HSP90, suggesting that it regulates both the conformations and ATPase cycles of these chaperones (Song and Masison, 2005 [PubMed 16100115]).

#### Source

E. coli

#### Species

Human

#### Tag

His/GST

#### Form

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

#### Molecular Mass

26.9kDa

#### Protein length

Met1~Lys169

#### Endotoxin

<1.0EU per 1µg (determined by the LAL method)

#### Purity

>98%

#### Applications

Positive Control; Immunogen; SDS-PAGE; WB.  
If bio-activity of the protein is needed, please check active protein.

#### Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

#### Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

#### Reconstitution

Reconstitute in PBS or others.

### Gene Information

#### Gene Name

[STIP1 stress-induced-phosphoprotein 1 \[ Homo sapiens \]](#)

#### Official Symbol

[STIP1](#)

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**Synonyms**

STIP1; stress-induced-phosphoprotein 1; HOP; Hsp70/Hsp90 organizing protein; ST11; NY-REN-11 antigen; Hsp70/Hsp90-organizing protein; hsc70/Hsp90-organizing protein; renal carcinoma antigen NY-REN-11; transformation-sensitive protein IEF SSP 3521; P60; ST11L; IEF-SSP-3521;

**Gene ID** [10963](#)

**mRNA Refseq** [NM\\_006819](#)

**Protein Refseq** [NP\\_006810](#)

**MIM** [605063](#)

**UniProt ID** [P31948](#)

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