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**Product Data Sheet**


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Product Name: STIP1 Human

Cat. No.: GP24720

Batch No.: 1

**Product Data**

Purity &gt;98%

Source Escherichia Coli.

Physical  
Appearance solidShipping  
Condition Shipped with Ice Packs.

## Synonyms

Stress Induced Phosphoprotein 1; Transformation-Sensitive Protein IEF SSP 3521; Renal Carcinoma Antigen NY-REN-11; Stress-Induced-Phosphoprotein 1; Hsp70/Hsp90-Organizing Protein; Hsc70/Hsp90-Organizing Protein; STI1; HOP; Epididymis Secretory Sperm Binding Protein Li 94n; NY-REN-11 Antigen; IEF-SSP-3521; HEL-S-94n; STI1L; P60.

Amino Acid  
Sequence

MEQVNELKEK GNKALSVGNI DDALQCYSEA IKLDPHNHVL  
 YSNRSAAYAKKGDYQKAYED GCKTVDLKPD WGKGYSRKAA ALEFLNRFEE  
 AKRTYEEGLK HEANNPQLKE GLQNMEARLAERKFMNPFNM PNLYQKLESD  
 PRTRTLLSDP TYRELIEQLR NKPSDLGTKL QDPRIMTTLS  
 VLLGVDLGSMDDEEEIATPP PPPPPKTK PEPMEEDLPE NKKQALKEKE  
 LGNDAYKKKD FDTALKHYDK AKELDPTNMTYITNQAAYVF EKGDYNKCRE  
 LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI  
 HFYNKSLAEHRTPDVLKCCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC  
 FQKGDYPQAM KHYTEAIKRN PKDAKLYSNRAACYTKLLEF QLALKDCEEC  
 IQLEPTFIKG YTRKAAALEA MKDYTKAMDV YQKALDLDS  
 CKEAADGYQRMMQAQYNRHD SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ  
 MQKDPQALSE HLKNPVIAQK IQKLM DVGLI AIR.

## Formulation

STIP1 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.

**Introduction**

STIP1 is an adaptor protein that mediates the functions of HSP70 & HSP90 in protein folding. STIP1 supports the transfer of proteins from HSP70 to HSP90 by binding together HSP90 and substrate-bound HSP70. STIP1 stimulates the ATPase activity of HSP70 and

**Caution: Product has not been fully validated for medical applications. For research use only.**

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inhibits the ATPase activity of HSP90, suggesting that it regulates both the conformations and ATPase cycles of these chaperones. STIP1 genetic variations are involved in regulating corticosteroid response in asthmatic subjects with reduced lung function.

### Stability

Store at 4°C if entire vial will be used within 2-4weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

STIP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 543 amino acids (1-543 a.a) and having a molecular mass of 62.6kDa.

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