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**Product Data Sheet**


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Product Name: STIP1 Human, His

Cat. No.: GP24719

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HOP; P60; STI1; STI1L; IEF-SSP-3521; STIP1; Stress-induced-phosphoprotein 1; Hsc70/Hsp90-organizing protein; Transformation-sensitive protein IEF SSP 3521; Renal carcinoma antigen NY-REN-11.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MEQVNELKEK GNKALSVGNI DDALQCYSEA  IKLDPHNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPDWKGKGYSRKAA  ALEFLNRFEE AKRTYEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM  PNLYQKLESD PRTRTLLSDP TYRELIEQLRNKPSDLGTKL QDPRIMTTLS  VLLGVDLGSM DEEEEIATPP PPPPKKETK PEPMEEDLPE NKKQALKEKE  LGNDAYKKKD FDTALKHYDKAKELDPTNMT YITNQAAVYF EKG DY NKCRE  LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH  TPDVLKCCQQA EKILKEQE RLAYINPDLA LEEKNKGNEC FQKGDYPQAM  KHYTEAIKRN PKDAKLYSNR AACYTKLLEF QLALKDCEEC  QLEPTFIKGYTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR  CMAAQYNRHD SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE  HLKNPVIAQK IQKLMDVGLI AIR.</p>		
Formulation	The STIP1 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8, 1mM DTT, 1mM EDTA, 0.2mM PMSF and 20% Glycerol.		

**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 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

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

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function.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. 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

Recombinant Human STIP1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 563 amino acids (1-543 a.a) and having a molecular mass of 64.8kDa. STIP1 is fused to a 20 amino acid His-Tag at N-terminus and purified by conventional chromatography techniques.

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