

## STIP1 Human

**Description:** 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.

Catalog #: PRPS-760

For research use only.

**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.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEQVNELKEK GNKALSVGNI  
DDALQCYSEA IKLDPHNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPDWKGKYSRCAA  
ALEFLNRFEE AKRTYEEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM PNLYQKLESD  
PRRTRLLSDP TYRELIEQLRNKPSDLGTLK QDPRIMTTLS VLLGVDLGSM DEEEIATPP  
PPPPPKKETK PEPM

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The STIP1 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8, 1mM DTT, 1mM EDTA, 0.2mM PMSF and 20% Glycerol.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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 function.

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