9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-4981: Recombinant Human Stress-Induced-Phosphoprotein 1

| | |
|---|---|
| **Alternative Name :** | 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. |

## Description

Source : Escherichia Coli. 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. 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.

## Product Info

| | |
|---|---|
| **Amount :** | 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | The STIP1 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8, 1mM DTT, 1mM EDTA, 0.2mM PMSF and 20% Glycerol. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MEQVNELKEK GNKALSVGNI DDALQCYSEA IKLDPHNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPDWGKGYSRKAA ALEFLNRFEE AKRTYEEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM PNLYQKLESD PRTRTLLSDP TYRELIEQLRNKPSDLGTKL QDPRIMTTLS VLLGVDLGSM DEEEEIATPP PPPPPKKETK PEPMEEDLPE NKKQALKEKE LGNDAYKKKD FDTALKHYDKAKELDPTNMT YITNQAAVYF EKGDYNKCRE LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH TPDVLKKCQQAEKILKEQE RLAYINPDLA LEEKNKGNEC FQKGDYPQAM KHYTEAIKRN PKDAKLYSNR AACYTKLLEF QLALKDCEEC QLEPTFIKGYTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR CMMAQYNRHD SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK IQKLMDVGLI AIR. |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***