9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

STIP1 Human

Stress-Induced-Phosphoprotein 1 Human Recombinant
RCP2263

Product Overview

Name	STIP1 Human
Description	
Stress-Induced-Phosphoprotein 1 Human Recombinant	
Accession (Primary)	P31948
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
STIP1 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MEQVNELKEK GNKALSVGNI DDALQCYSEA IKLDPHNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPD	

WGKGYSRKAA ALEFLNRFEE AKRTYEEGLK HEANNPQLKE GLQNMEARLA ERKFMNPFNM PNLYQKLESD PRTRTLLSDP TYRELIEQLR NKPSDLGTKL QDPRIMTTLS VLLGVDLGSM DEEEEIATPP PPPPPKKETK PEPMEEDLPE NKKQALKEKE LGNDAYKKKD FDTALKHYDK AKELDPTNMT YITNQAAVYF EKGDYNKCRE LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH RTPDVLKKCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC FQKGDYPQAM KHYTEAIKRN PKDAKLYSNR AACYTKLLEF QLALKDCEEC IQLEPTFIKG YTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR CMMAQYNRHD SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK IQKLMDVGLI AIR.

Precautions

STIP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P31948)