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STIP1 Human, His

Stress-Induced-Phosphoprotein 1 Human Recombinant, His Tag
RCP2264

Product Overview

Name	STIP1 Human, His

Description

Stress-Induced-Phosphoprotein 1 Human Recombinant, His Tag

Accession (Primary)	P31948

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.

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

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

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.

Precautions

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

Target Information: (P31948)