
Product Data Sheet

Product Name: STIP1 Mouse
 Cat. No.: GP24721
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hop; p60; Sti1; STI1; mSTI1; Stress-induced-phosphoprotein1; Hsc70/Hsp90-organizing protein.		
Amino Acid Sequence	<p>MGSSHHHHHH SSGLVPRGSHMEQVNELKEK GNKALSAGNI DDALQCYSEA IKLDPQNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPDWKGKGYSRKAA ALEFLNRFEE AKRTYEEGLK HEANNLQLKE GLQNMEARLA ERKFMNPFNL PNLYQKLENDPRTRSLLSDP TYRELIEQLQ NKPSDLGTKL QDPRVMTTLS VLLGVDLGSM DEEEEAATPP PPPPKKEPKPEPMEEDLPE NKKQALKEKE LGNDAYKKKD FDKALKHYDR AKELDPTNMT YITNQA AVHF EKG DYNKCRELCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH RTPDVLKCCQ QAEKILKEQERLAYINPDLA LEEKNKGNEC FQKGDYPQAM KHYTEAIKRN PRDAKLYSNR AACYTKLLEF QLALKDCEECIQLEPTFIKG YTRKAAALEA MKDYTKAMDV YQKALDL DSS CKEAADGYQR CMMAQYNRHD SPEDVKRRAMADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK IQKLM DVGLI AIR.</p>		
Formulation	The STIP1 solution (1mg/ml) contains 20mM Tris-HCl(pH8.0), 0.1M NaCl, 1mM DTT and 10% 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 function.

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

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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

STIP1 Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 563 amino acids (1-543) and having a molecular mass of 64.7kDa. STIP1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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