

Recombinant Human Stress-Induced-Phosphoprotein 1

Cat. No. STIP1-5520H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanSTIP1 was expressed in E. coli.
Species	Human
Source	E.coli
Description	STIP1, occasionally written HOP, is an abbreviation for Hsp70-Hsp90 Organizing Protein. It functions as a co-chaperone which reversibly links together the protein chaperones Hsp70 and Hsp90. STIP1 belongs to the large group of co-chaperones, which regulate and assist the major chaperones (mainly heat shock proteins). It is one of the best studied co-chaperones of the Hsp70/Hsp90-complex. It was first discovered in yeast and homologues were identified in human, mouse, rat, insects, plants, parasites, and virus. The family of these proteins is referred to as STI1 (stress inducible protein) and can be divided into yeast, plant, and animal STI1 (STIP1).
Form	Liquid in 40 mM HEPES, pH 7.5
Purity	> 99% as determined by SDS-PAGE analysis
Storage	Store at 2-4°C for short term storage or in working aliquots at -80°C for long term storage. Avoid repeated freeze-thaw cycles.
Official Symbol	STIP1
Pathways	Axon guidance; CHL1 interactions; Developmental Biology; L1CAM interactions; Prion

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diseases

GENE INFORMATION

Gene Name	STIP1stress-induced-phosphoprotein 1 [Homo sapiens]
Synonyms	STIP1;stress-induced-phosphoprotein 1; HOP; Hop; P60; STI1; STI1L; IEF-SSP-3521;NY-REN-11 antigen; OTTHUMP00000236867; OTTHUMP00000236868;OTTHUMP00000237237; Hsp70/Hsp90-organizing protein; hsc70/Hsp90-organizingprotein; renal carcinoma antigen NY-REN-11; transformation-sensitive proteinIEF SSP 3521
Gene ID	10963
mRNA Refseq	NM_006819
Protein Refseq	NP_006810
MIM	605063
UniProt ID	P31948
Chromosome Location	11q13
Function	Hsp70 proteinbinding; binding; chaperone binding; protein C-terminus binding
PDB rendering basedon 1elr.	

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