Recombinant Human STIP1 Protein, His-tagged

Cat. No. STIP1-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant N-terminally Histidine-tagged full length human HOP protein (2-543) was purified from E. coli.
Species	Human
Source	E.coli
ProteinLength	2-543
Description	STIP1 is an adaptor protein that coordinates the functions of HSP70 (see HSPA1A; MIM 140550) and HSP90 (see HSP90AA1; MIM 140571) in protein folding. It is thought to assist in the transfer of proteins from HSP70 to HSP90 by binding both HSP90 and substrate-bound HSP70. STIP1 also 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 (Song and Masison, 2005 [PubMed 16100115]).
Molecular Mass	65 kDa
Purity	≥95% as determined by SDS-PAGE
Stability	≥ 6 months
Storage	At -80 centigrade.

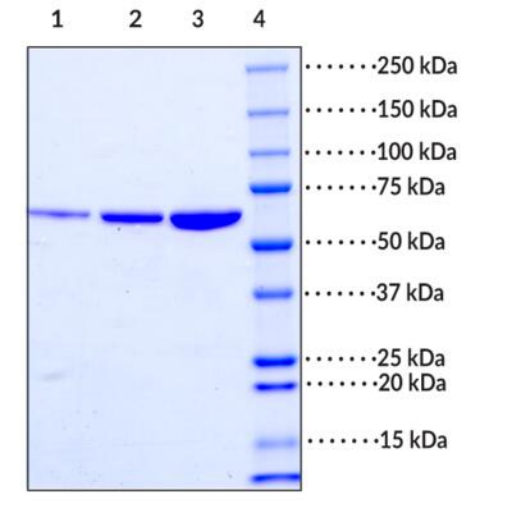
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer	50 mM HEPES, pH 8.0, with 150 mM sodium chloride

GENE INFORMATION

Gene Name	STIP1 stress induced phosphoprotein 1 [Homo sapiens (human)]
Official Symbol	STIP1
Synonyms	STIP1; stress induced phosphoprotein 1; HOP; P60; STI1; STI1L; HEL-S-94n; IEF-SSP-3521; stress-induced-phosphoprotein 1; Hsp70/Hsp90-organizing protein; NY-REN-11 antigen; epididymis secretory sperm binding protein Li 94n; hsc70/Hsp90-organizing protein; renal carcinoma antigen NY-REN-11; transformation-sensitive protein IEF SSP 3521
Gene ID	10963
mRNA Refseq	NM_006819
Protein Refseq	NP_006810
MIM	605063
UniProt ID	P31948

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SDS-PAGE analysis of HOP	 Lane 1: HOP (1 μg) Lane 2: HOP (2 μg) Lane 3: HOP (4 μg) Lane 4: MW Markers

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