

Product datasheet for TP301084

STIP1 (NM_006819) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human stress-induced-phosphoprotein 1 (STIP1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201084 protein sequence Red=Cloning site Green=Tags(s)

MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAYAKKGDYQKAYEDGCKTVDLKPD
WGKGYSRKAALFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNPFNMPNLYQKLESD
PRTRLLSDPTYRELIEQLRNKPSDLGTLQDPRIMTTLSVLLGVDLGSMDEEEIATPPPPPPPKKETK
PEPMEEDLPENKKQALKEKELGNDAYKKKDFDTALKHYDKAKELDPTNMTYITNQAAVYFEKGDYKRCRE
LCEKAIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFYNKSLAEHRTPDVLKCCQQAEEKILKEQE
RLAYINPDALALEEKNKGNECFQKGDYPQAMKHYTEAIKRNPDAKLYSNRAACYTKLLEFQLALKDCEEC
IQLEPTFIKGYTRKAAALEAMKDYTKAMDVYQKALDLSSCKEADGYQRCMMAQYNRHDSPEDVKRRAM
ADPEVQQIMSDPAMRLILEQMQLKDPQALSEHLKNPVIAQKIQLKMDVGLIAIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	62.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_006810](#)

Locus ID: 10963

UniProt ID: [P31948](#), [V9HW72](#)

RefSeq Size: 2219

Cytogenetics: 11q13.1

RefSeq ORF: 1629

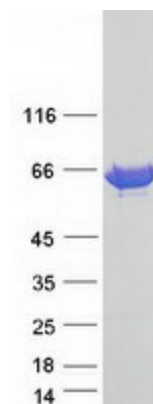
Synonyms: HEL-S-94n; HOP; IEF-SSP-3521; P60; STI1; STI1L

Summary: 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]).[supplied by OMIM, Jul 2009]

Protein Families: Stem cell - Pluripotency

Protein Pathways: Prion diseases

Product images:



Coomassie blue staining of purified STIP1 protein (Cat# TP301084). The protein was produced from HEK293T cells transfected with STIP1 cDNA clone (Cat# [RC201084]) using MegaTran 2.0 (Cat# [TT210002]).