

## Product datasheet for PH301084

### STIP1 (NM\_006819) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	STIP1 MS Standard C13 and N15-labeled recombinant protein (NP_006810)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201084
Predicted MW:	62.6 kDa
Protein Sequence:	>RC201084 protein sequence Red=Cloning site Green=Tags(s)

MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAYAKKGDYQKAYEDGCKTVDLKPD  
WGKGYSRKAAALEFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNPFNMPNLYQKLESD  
PRTRTLLSDPTYRELIEQLRNKPSDLGTLQDPRIMTTLVLLGVDLGSMDEEEEIATPPPPPPPKKTK  
PEPMEEDLPENKKQALKEKELGNDAYKKKDFDTALKHYDKAKELDPTNMTYITNQAAVYFEKGDYKNCRE  
LCEKAIIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFYKSLAEHRTPDVLLKCCQQAEEKILKEQE  
RLAYINPDLALEEKNKGNECFQKGDYPQAMKHYTEAIKRNPDKAKLYSNRAACYTKLLEFQLALKDCEEC  
IQLEPTFIKGYTRKAAALEAMKDYTKAMDVYQKALDLSSCKEADGYQRCMAQYNRHDSPELVKRRAM  
ADPEVQQIMSDPAMRLILEQMOKDPQALSEHLKNPVIAQKIQKLMVGLIAIR

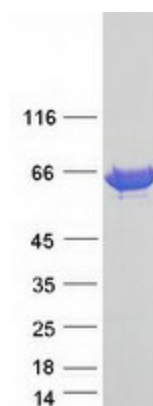
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006810</u>
RefSeq Size:	2219
RefSeq ORF:	1629



[View online »](#)

<b>Synonyms:</b>	HEL-S-94n; HOP; IEF-SSP-3521; P60; ST11; ST11L
<b>Locus ID:</b>	10963
<b>UniProt ID:</b>	<a href="#">P31948</a> , <a href="#">V9HW72</a>
<b>Cytogenetics:</b>	11q13.1
<b>Summary:</b>	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]
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Protein Pathways:</b>	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]).