

# Recombinant Full Length Human STIP1 Protein, C-Flag-tagged

**Cat. No.** STIP1-1618HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human STIP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | STIP1 is an adaptor protein that coordinates the functions of HSP70 and HSP90 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.                                                                               |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 62.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAYAKKGDYQK<br>AYEDGCKTVDLKPD WGKGYSRKAALFLNRFEAKRTYEEGLKHEANNPQLKEG<br>LQNMEARLAERKFMNPFNMPNLYQKLESD PRTRTLLSDPTYRELIEQLRNKPSDLG<br>TKLQDPRIMTTLSVLLGVDLGSMDEEEEEIATPPPPPPPKKETK PEPMEEDLPENKKQ<br>ALKEKELGNDAYKKKDFDTALKHYDKAKELDPTNMTYITNQAAYFEKGDYNKCRE<br>LCEKAIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFYNKSLAEHRTPDVLKK<br>CQQAEEKILKEQE RLAYINPDLALEEKNGNECFQKGDYPQAMKHYTEAIKRNPKDA<br>KLYSNRAACYTKLLEFQLALKDCEEC IQLEPTFIKGYTRKAAALEAMKDYTKAMDVY |

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QKALDLDSSCKEAADGYQRCMMAQYNRHDSPEDEVKRRAM  
ADPEVQQIMSDPAMRLILEQMOKDPQALSEHLKNPVIAQKIQLMDVGLIAIRTRTRP  
LEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Stem cell - Pluripotency                                                                                                                      |
| <b>Protein Pathways</b> | Prion diseases                                                                                                                                |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| <b>Gene Name</b>       | STIP1 stress induced phosphoprotein 1 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | STIP1                                                          |
| <b>Synonyms</b>        | HOP; P60; STI1; STI1L; HEL-S-94n; IEF-SSP-3521                 |
| <b>Gene ID</b>         | 10963                                                          |

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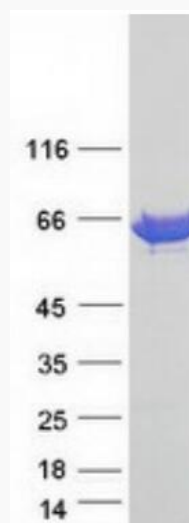
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**mRNA Refseq** [NM\\_006819.3](#)

**Protein Refseq** [NP\\_006810.1](#)

**MIM** [605063](#)

**UniProt ID** [P31948](#)



Coomassie blue staining of purified STIP1 protein.

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