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**Stress-induced-phosphoprotein 1, 1-543aa,Human, His tag, E.coli**

**Cat.NO.: TP04073**

3th Edition

**Synonyms:**Hsp70/Hsp90-organizing protein, HOP, IEF-SSP-3521, P60, ST11, ST11L, STIP1 , Stress-induced-phosphoprotein1 Hsc70/Hsp90 organizing protein, NY REN 11 antigen, Stress induced phosphoprotein 1, Transformation sensitive protein IEF SSP 3521.

**Description:**Stress-induced-phosphoprotein1 (ST11), also known as HOP, belongs to the large group of co-chaperones. The main function of ST11 is to link Hsp70 and Hsp90 together. But recent investigations indicate that it also modulates the chaperone activities of the linked proteins and possibly interacts with other chaperones and proteins. It forms a complex with HSC70 and HSPCA/HSP-86 and HSPCB/HSP-84, as well as interacting with PACRG. Recombinant human ST11, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

**Molecular Weight:**64.8 kDa (563aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMEQVNELKEKGNKALSVGNIDDALQCYSEAIKLDPHNHVLYSNRSAAYAKKGDY  
QKAYEDGCKTVDLKPDWKGKYSRKAALFLNRFEEAKRTYEEGLKHEANNPQLKEGLQNMEARLAERKFMNPF  
NMPNLYQKLESDPRTRTLLSDPTYRELIEQLRNKPSDLGTLKQDPRIMTTLSVLLGVDLGSMDEEEIATPPPPPP  
KKETKPEPMEEDLPENKKQALKEKELGNDAYKKKDFDTALKHYDKAKELDPTNMTYITNQAAYFEKGDYNKCREL  
CEKAIEVGRENREDYRQIAKAYARIGNSYFKEEKYKDAIHFNKSLAEHRTPDVLKCCQQAQAEKILKEQERLAYINPDL  
ALEEKNKGNECFQKGDYPQAMKHYTEAIKRNPKDAKLYSNRAACYTKLLEFQLALKDCEECIQLEPTFIKGYTRKAA  
ALEAMKDYTKAMDVYQKALDLDSSCKEAADGYQRCMMAQYNRHDSPEDEVKRRAMADPEVQQIMSDPAMRLILEQ  
MQKDPQALSEHLKNPVIAQKIQKLM DVGLIAIR

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.