

**SPSB1, 24-233aa, Human, His tag, E.coli**

**Cat.NO.: TP04024**

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3th Edition

**Synonyms:**SPRY domain-containing SOCS box protein 1, SSB-1, SSB1

**Description:**SPRY domain-containing SOCS box protein 1 (SPSB1), also known as SSB1, is a member of the SOCS box protein subfamily. This protein contains a central SPRY domain and a C-terminal SOCS box. Although some of the SOCS protein subfamilies function as adaptors for a large family of ubiquitin-protein isopeptide ligases to regulate certain signaling pathways, the function of the SSB subfamily remains to be determined. SPSB1 may play an important role in enhancing the HGF-induced Erk-Elk-1-SRE pathway. Over expression of SPSB1 exhibited no effect on the basal level or epidermal growth factor-induced SRE-luciferase activity. Recombinant human SPSB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

**Molecular Weight:**26.1 kDa (231aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMQELQGLDYCKPTRLDLLLDMPVSYDVQLLHSWNNDRSLNVFVKEDDKLIFH  
RHPVAQSTDAIRGKVG YTRGLHVWQITWAMRQRGTHAVVGVATADAPLHSVGYTTLVGNNHESWGWDLGRNRL  
YHDGKNQPSKTYPAFLEPDETFIVPDSFLVALDMDDGTLSFIVDGQYMGVAFRGLK GK KLYPVVSAVWGHCEIRMR  
YLNGLDPE

**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.