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Recombinant human SPSB1 protein

Catalog Number: ATGP1054

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-233aa

UniProt No.

096BD6

NCBI Accession No.

NP 079382

Alternative Names

SPRY domain-containing SOCS box protein 1, SSB-1, SSB1

PRODUCT SPECIFICATION

Molecular Weight

26.1 kDa (231aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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



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protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

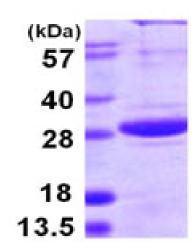
MGSSHHHHHH SSGLVPRGSH MQELQGLDYC KPTRLDLLLD MPPVSYDVQL LHSWNNNDRS LNVFVKEDDK LIFHRHPVAQ STDAIRGKVG YTRGLHVWQI TWAMRQRGTH AVVGVATADA PLHSVGYTTL VGNNHESWGW DLGRNRLYHD GKNQPSKTYP AFLEPDETFI VPDSFLVALD MDDGTLSFIV DGQYMGVAFR GLKGKKLYPV VSAVWGHCEI RMRYLNGLDP E

General References

Woo J S., et al. (2006) Equb. 25(6):1353-63. Wang D., et al. (2005) J Biol Chem. 280(16):16393-401.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)