

[Go to Product page](#)

Datasheet for ABIN7546309

**SPSB4 Protein (AA 1-273) (His tag)**

## Overview

Quantity:	1 mg
Target:	SPSB4
Protein Characteristics:	AA 1-273
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPSB4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat SPSB4 Protein expressed in mammalien cells.
Sequence:	MGQKLSGSLK SVEVREPALR PAKRELRGAE PGRPARLDQL LDMPAAGLAV QLRHAWNPED RSLNVFVKDD DRLTFHRHPV AQSTDGIRGK VGHARGLHAW QINWPARQRG THAVVGVATA RAPLHSVGYT ALVGSDAESW GWDLGRSRLY HDGKNQPGVA YPAFLGPDEA FALPDSLLVV LDMDEGTLSE IVDGQYLGVA FRGLKGGKLY PVVSAVWGHC EVTMYINGL DPEPLPLMDL CRRSIRSALG RQRLQDISSL PLPQSLKNYL QYQ <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	SPSB4
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Alternative Name:	SPSB4 ( <a href="#">SPSB4 Products</a> )
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Background:	<p>SPRY domain-containing SOCS box protein 4 (SSB-4),FUNCTION: Substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:21199876, PubMed:15601820). Negatively regulates nitric oxide (NO) production and limits cellular toxicity in activated macrophages by mediating the ubiquitination and proteasomal degradation of NOS2 (PubMed:21199876). Acts as a bridge which links NOS2 with the ECS E3 ubiquitin ligase complex components ELOC and CUL5 (PubMed:21199876). Diminishes EphB2-dependent cell repulsive responses by mediating the ubiquitination and degradation of EphB2/CTF2 (PubMed:28931592). Regulates cellular clock function by mediating the ubiquitin/proteasome-dependent degradation of the circadian transcriptional repressor NR1D1 (PubMed:26392558). {ECO:0000269 PubMed:15601820, ECO:0000269 PubMed:21199876, ECO:0000269 PubMed:26392558, ECO:0000269 PubMed:28931592}.</p>
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Molecular Weight:	30.2 kDa
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## Target Details

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UniProt: [Q96A44](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months