

Product datasheet for **TP303566**

SPSB4 (NM_080862) Human Recombinant Protein

Product data:

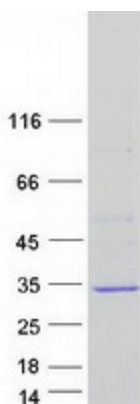
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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human splA/ryanodine receptor domain and SOCS box containing 4 (SPSB4), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203566 protein sequence Red =Cloning site Green =Tags(s) |
| | <p>MGQKLSGSLKSVEVREPALRPAPKRELGAEPGRPARLDQLLDMPAAGLAVQLRHAWNPEDRSLNVFVKD D DRLTFHRHPVAQSTDGIRGKVGHARGLHAWQINWPARQRGTHAVVGVATARAPLHSVGYTALVGSDAE SW GWDLGRSRLYHDGKNQPGVAYPAFLGPDEAFALPDSLLVLDMDDEGTLSEFVDGQYLGVAFRGLKGKKLY PVVSAVWGHCEVTMRYINGLDPEPLPLMDLCRRSIRSALGRQRLQDISSLPLPQSLKNYLQYQ</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 30 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_543138</u> |



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|-------------------|--|
| Locus ID: | 92369 |
| UniProt ID: | Q96A44 |
| RefSeq Size: | 2455 |
| Cytogenetics: | 3q23 |
| RefSeq ORF: | 819 |
| Synonyms: | SSB-4; SSB4 |
| Summary: | 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).[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Druggable Genome |

Product images:



Coomassie blue staining of purified SPSB4 protein (Cat# TP303566). The protein was produced from HEK293T cells transfected with SPSB4 cDNA clone (Cat# [RC203566]) using MegaTran 2.0 (Cat# [TT210002]).