

Product datasheet for PH303566

SPSB4 (NM_080862) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPSB4 MS Standard C13 and N15-labeled recombinant protein (NP_543138)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203566
Predicted MW:	30.2 kDa
Protein Sequence:	>RC203566 protein sequence Red =Cloning site Green =Tags(s)

MGQKLSGSLKSVEVREPALRPAKRELGAEPGRPARLDQLLDMPAAGLAVQLRHAWNPEDRSLNVFVKDD
 DRLTFHRHPVAQSTDGIRGKVGHARGLHAWQINWPARQRGTHAVVGVATARAPLHSVGYTALVGSDAESW
 GWDLGRSRLYHDGKNQPGVAYPAFLGPDEAFALPDSLLVVLDMDEGTLSFIVDGQYLGVAFRGLKGKKLY
 PVVSAVWGHCEVTMRYINGLDPEPLPLMDLCRRSIRSALGRQLQDISSLPLPQSLKNYLQYQ

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_543138
RefSeq Size:	2455
RefSeq ORF:	819
Synonyms:	SSB-4; SSB4
Locus ID:	92369
UniProt ID:	Q96A44

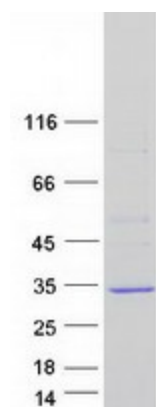

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Cytogenetics: 3q23

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]).