

Product datasheet for PH303673

SPSB1 (NM_025106) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPSB1 MS Standard C13 and N15-labeled recombinant protein (NP_079382)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203673
Predicted MW:	30.9 kDa
Protein Sequence:	>RC203673 protein sequence Red=Cloning site Green=Tags(s) MGQKVTGGIKTVDMRDPTYRPLKQELQGLDYCKPTRLDLLDMPPVSYDVQLLHSWNNDRSLNVFKED DKLIFHRHPVAQSTDAIRGKVGYTRGLHVWQITWAMRQRGTHAVVGVATADAPLHSVGYTTLVGNHESW GWDLGRNRLYHDGKNQPSKTYPAFLEPDETFIVPDSFLVALDMDGTLFSFIVDGGQYMGVAFRGLKGGKLY PVVSAVWGHCEIRMRYLNGLDPEPLPLMDLCRRSVRLALGRERLGEIHTLPLPASLKAYLLYQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_079382
RefSeq Size:	3130
RefSeq ORF:	819
Synonyms:	SSB-1; SSB1
Locus ID:	80176
UniProt ID:	Q96BD6 , A0A024R4G8



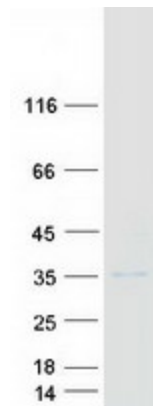
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Cytogenetics: 1p36.22

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:15601820, PubMed:21199876). 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).[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified SPSB1 protein (Cat# [TP303673]). The protein was produced from HEK293T cells transfected with SPSB1 cDNA clone (Cat# [RC203673]) using MegaTran 2.0 (Cat# [TT210002]).