

#### OriGene Technologies, Inc.

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# Product datasheet for PH321009

## SPANXB1 (NM\_032461) Human Mass Spec Standard

## **Product data:**

Nescription:SPANXB1 MS Standard C13 and N15-labeled recombinant protein (NP_115850)Species:HumanExpression Host:HEK293Expression DNA Composition of A Sequence: or AA Sequence:Red=Cloning site Green=Tags(s)Pretein Sequence: Red=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)Tags:CMyC/DKTags:CMyC/DKProtein Sequence: Red=Cloning site Green=Tags(s)Stabeled method site Stabeled method	Product Type:	Mass Spec Standards
Expression Host:HEK293Expression cDNA CloueRC221009Predicted MW:11.8 kDaProtein Sequence:RC221009 protein sequence Red=Cloning site Green-Tags(s)McgogSSVRRLKRSVPCESNEANEANEANEANETMPETPTGDSDPQPAPKKMKTSESSTILVVRYRRNVKRTSP ELLVNDHARENRINPDQMEEEEFIEITTERPKKTag:CMgc/DDKProtein Sequence:RC221009Protein Sequence:RC22100Protein Sequence:RC2200Store At S0°C Avoid repeated freeze-thaw cycles.Stability:Stabi for a months from receipt of products under proper storage and handling conditions.Refseq Size:AP115850Refseq ORF:SigSignonyms:RC1112; SPANXE; SPANXB; SPANXB2; SPANXF1; SPANXF2Protein Sequence:RC112; SPANXE; SPANXB2; SPANXB2; SPANXF1; SPANXF2Indicati Di Comotion:SigS5 <th>Description:</th> <th>SPANXB1 MS Standard C13 and N15-labeled recombinant protein (NP_115850)</th>	Description:	SPANXB1 MS Standard C13 and N15-labeled recombinant protein (NP_115850)
Argession cDNA CloneRC221009Predicted MW:11.8 kDaProtein Sequence:RC221009 protein sequenceProtein Sequence:Rcd=Cloning site Green=Tags(s)MGQQSSVRLKRSVPCESNEANEANEANEANKTMPETPTGDSDPQPAPKKMKTSESSTILVVRYRRNVKRTSP ELVNDHARENRINPDQMEEEEFIEITTERPKKTag:GMQcSSVRLKRSVPCESNEANEANEANEANKTMPETPTGDSDPQPAPKKMKTSESSTILVVRYRRNVKRTSP ELVNDHARENRINPDQMEEEEFIEITTERPKKTag:C-Myc/DDKTag:S0% as determined by SDS-PAGE and Coomassie blue stainingPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodBuffer:S0% as determined by SDS-PAGE and Coomassie blue stainingStorage:S0% as determined by SDS-PAGE and Coomassie blue stainingBuffer:S0% as determined by microplate BCA methodStorage:S0% as determined by SDS-PAGE and Coomassie blue stainingBuffer:S0% as determined by SDS-PAGE and Coomassie blue stainingStorage:S0% as determined by SDS-PAGE and Coomassie blue stainingBuffer:S0% as determined by SDS-PAGE and Coomassie blue stainingStorage:S0% as determined by SDS-PAGE and Coomassie blue stainingBuffer:S0% as determined by	Species:	Human
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Protein Sequence: Red=Cloning site Green=Tags(s)MGQQSSVRRLKRSVPCESNEANEANEANEANEATMPETPTGDSDPQPAPKKMKTSESSTILVVRYRRNVKRTSP EELVNDHARENRINPDQMEEEEFIEITTERPKKTag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq Size:NP 115850RefSeq Size:09Synonyms:B1; CT11.2; SPANX-B; SPANXB; SPANXB2; SPANXF1; SPANXF2Locus ID:Q3NS25	•	RC221009
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RefSeq Size: 469   RefSeq ORF: 309   Synonyms: B1; CT11.2; SPANX-B; SPANXB2; SPANXF1; SPANXF2   Locus ID: 728695   UniProt ID: 09NS25	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF: 309   Synonyms: B1; CT11.2; SPANX-B; SPANXB2; SPANXF1; SPANXF2   Locus ID: 728695   UniProt ID: Q9NS25	RefSeq:	<u>NP 115850</u>
Synonyms: B1; CT11.2; SPANX-B; SPANXB; SPANXB2; SPANXF1; SPANXF2   Locus ID: 728695   UniProt ID: Q9NS25	RefSeq Size:	469
Locus ID: 728695   UniProt ID: Q9NS25	RefSeq ORF:	309
UniProt ID: <u>Q9NS25</u>	Synonyms:	B1; CT11.2; SPANX-B; SPANXB; SPANXB2; SPANXF1; SPANXF2
	Locus ID:	728695
Cytogenetics: Xq27.1	UniProt ID:	<u>Q9NS25</u>
	Cytogenetics:	Xq27.1



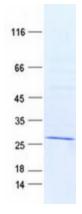
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### SPANXB1 (NM\_032461) Human Mass Spec Standard – PH321009

#### Summary:

Temporally regulated transcription and translation of several testis-specific genes is required to initiate the series of molecular and morphological changes in the male germ cell lineage necessary for the formation of mature spermatozoa. This gene is a member of the SPANX family of cancer/testis-associated genes, which are located in a cluster on chromosome X. The SPANX genes encode differentially expressed testis-specific proteins that localize to various subcellular compartments. This particular family member contains an additional 18 nucleotides in its coding region compared to the other family members in the same gene cluster. This family member is also subject to gene copy number variation. Although the protein encoded by this gene contains consensus nuclear localization signals, the major site for subcellular localization of expressed protein is in the cytoplasmic droplets of ejaculated spermatozoa. This protein provides a biochemical marker for studying the unique structures in spermatazoa, while attempting to further define its role in spermatogenesis. [provided by RefSeq, Apr 2014]

### **Product images:**



Coomassie blue staining of purified SPANXB1 protein (Cat# [TP321009]). The protein was produced from HEK293T cells transfected with SPANXB1 cDNA clone (Cat# [RC221009]) using MegaTran 2.0 (Cat# [TT210002]).

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