

Recombinant Human SPANXB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPANXB1-2497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPANXB1 MS Standard C13 and N15-labeled recombinant protein (NP_115850) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	11.8 kDa

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AA Sequence	MGQQSSVRRLKRSVPCESNEANEANEANKTMPETPTGSDPQPAPKKMKTSSESST ILVVRYRRNVKRTSPEELVNDHARENRPDQMEEEEFIEITTERPKKTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SPANXB1 SPANX family member B1 [Homo sapiens (human)]
Official Symbol	SPANXB1
Synonyms	SPANXB1; SPANX family, member B1; cancer/testis antigen family 11; member 2; CT11.2; SPANX; SPANXB; SPANX-B;
Gene ID	728695
mRNA Refseq	NM_032461
Protein Refseq	NP_115850
MIM	300669

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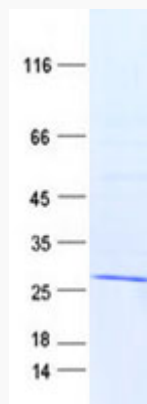
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UniProt ID

Q9NS25

SDS-PAGE

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