

Recombinant Human SPANXC Protein, His-tagged

Cat. No. SPANXC-2724H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPANXC Protein (Met1-Lys97) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys97
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, which is located in a gene cluster on chromosome X. The SPANX genes encode differentially expressed testis-specific proteins that localize to various subcellular compartments. This particular gene encodes a protein that localizes to the nucleus and is expressed in highly metastatic cell lines, making the protein a potential diagnostic and prognostic marker. The protein belongs to a family of cancer/testis antigens and represents a potential target for cancer immunotherapy.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.7 kDa Accurate Molecular Mass: 19 kDa

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Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SPANXC SPANX family, member C [Homo sapiens (human)]
Official Symbol	SPANXC
Synonyms	SPANXC; SPANX family, member C; sperm protein associated with the nucleus on the X chromosome C; cancer/testis antigen family 11; member 3; CT11.3; CTp11; SPAN-Xc protein; cancer/testis antigen 11.3; nuclear-associated protein SPAN-Xc; cancer-testis-associated protein CTp11; cancer/testis-associated protein CTp11; cancer/testis antigen family 11, member 3; cancer/testis-associated protein of 11 kD;

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sperm protein associated with the nucleus, X chromosome, family member C; C;
SPANX-C;

Gene ID [64663](#)

mRNA Refseq [NM_022661](#)

Protein Refseq [NP_073152](#)

MIM [300330](#)

UniProt ID [Q9NY87](#)

