



Recombinant Human Sperm protein associated with the nucleus on the X chromosome C (SPANXC)

Product Code	CSB-EP878921HU-B
Abbreviation	SPANXC
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NY87
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDKQSSAGGV KRSVPCESNE VNETMPETPT GDSDPQPAPK KMKTSESSTI LVVRYRRNVK RTSPEELLND HARENINPL QMEEEEFMEI MVEIPAK
Source	E.coli
Target Names	SPANXC
Protein Names	Recommended name: Sperm protein associated with the nucleus on the X chromosome C Alternative name(s): Cancer/testis antigen 11.3 Short name= CT11.3 Cancer/testis-associated protein CTp11 Nuclear-associated protein SPAN-Xc Short
Expression Region	1-97
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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