



# Recombinant Human Sperm protein associated with the nucleus on the X chromosome D (SPANXD)

<b>Product Code</b>	CSB-EP874833HU-B
<b>Abbreviation</b>	SPANXD
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9BXN6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDKQSSAGGV KRSVPCDSNE ANEMMPETSS GYSDPQPAPK KLKTSSESTI LVVRYRRNFK RTSPEELVND HARKNRINPL QMEEEEFMEI MVEIPAK
<b>Source</b>	E.coli
<b>Target Names</b>	SPANXD
<b>Protein Names</b>	Recommended name: Sperm protein associated with the nucleus on the X chromosome D Alternative name(s): Cancer/testis antigen 11.4 Short name= CT11.4 Nuclear-associated protein SPAN-Xd Short name= SPANX-D SPANX family member D
<b>Expression Region</b>	1-97
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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 gene encodes a sperm protein that is associated with the nucleus but, although a role in spermatogenesis is suggested, the specific function of this family member has not yet been determined.
<b>Reconstitution</b>	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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