



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

Product Code	CSB-BP874833HU
Abbreviation	SPANXD
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.	Q9BXN6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDKQSSAGGV KRSVPCDSNE ANEMMPETSS GYSDPQPAPK KLKTSSESTI LVVRYRRNFK RTSPEELVND HARKNRINPL QMEEEEFMEI MVEIPAK
Source	Baculovirus
Target Names	SPANXD
Protein Names	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
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 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.
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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