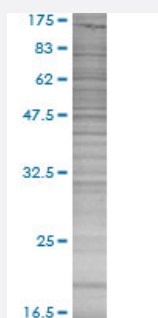


SPANXB1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00728695-T01

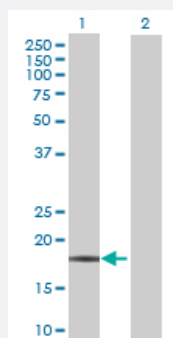
Size 100 uL

Applications



SDS-PAGE Gel

transfected lysate.



Western Blot

Lane 1: transfected lysate (11.80 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-SPANXB1 full-length

Host Human

Theoretical MW (kDa) 11.8

Quality Control Testing Transient overexpression cell lysate was tested with Anti-SPANXB1 antibody ([H00728695-B01](#)) by Western Blots.

SDS-PAGE Gel
transfected lysate.

Western Blot
Lane 1: transfected lysate (11.80 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SPANXB1

Entrez GeneID	728695
GeneBank Accession#	NM_032461.2
Protein Accession#	NP_115850.1
Gene Name	SPANXB1
Gene Alias	B1, SPANX-B, SPANXB
Gene Description	SPANX family, member B1
Omim ID	300669
Gene Ontology	Hyperlink
Gene Summary	<p>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 maps to chromosome X in a head-to-tail orientation with SPANX family member B2, which appears to be a duplication of the B1 locus. The SPANXB genes are unique members of this gene family, since they contain an additional 18 nt in their coding region compared to the majority of family members. 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 spermatozoa, while attempting to further define its role in spermatogenesis. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000024171 nuclear-associated protein SPAN-Xb sperm protein associated with the nucleus, X chromosome, family member B1

Disease

- [Azoospermia](#)
- [Infertility](#)
- [Oligospermia](#)