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Product datasheet for TP311653

SPANXA1 (NM_013453) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sperm protein associated with the nucleus, X-linked, family member A1 (SPANXA1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211653 protein sequence Red=Cloning site Green=Tags(s) MDKQSSAGGVKRSVPCDSNEANEMMPETPTGDSDPQPAPKKMKTSESSTILVVRYRRNFKRTSPEELLN D HARENRINPLQMEEEEFMEIMVEIPAK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	10.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_038481
Locus ID:	30014
UniProt ID:	Q9NS26

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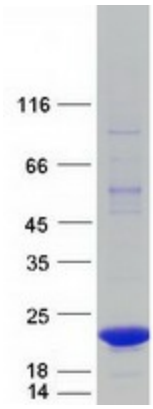
RefSeq Size:	418
Cytogenetics:	Xq27.2
RefSeq ORF:	291
Synonyms:	CT11.1; CT11.3; NAP-X; SPAN-X; SPAN-Xa; SPAN-Xb; SPANX; SPANX-A
Summary:	Temporally regulated transcription and translation of several testis-specific genes is required to initiate the series of molecular and morphological changes in the 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-head orientation with SPANX family member A2, which appears to be a duplication of the A1 locus. The protein encoded by this gene targets to the nucleus where it associates with nuclear vacuoles and the redundant nuclear envelope. Based on its association with these poorly characterized regions of the sperm nucleus, this protein provides a biochemical marker to study unique structures in spermatazoa while attempting to further define its role in spermatogenesis. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified SPANXA1 protein (Cat# TP311653). The protein was produced from HEK293T cells transfected with SPANXA1 cDNA clone (Cat# [RC211653]) using MegaTran 2.0 (Cat# [TT210002]).