

Product datasheet for **SC304011**

SPANXA1 (NM_013453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPANXA1 (NM_013453) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPANXA1
Synonyms:	CT11.1; CT11.3; NAP-X; SPAN-X; SPAN-Xa; SPAN-Xb; SPANX; SPANX-A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_013453 edited</p> <p>AAGCCTGCCACTGACATTGAAGAACCAATATATACAATGGACAAACAATCCAGTGCCGGC</p> <p>GGGGTGAAGAGGAGCGTCCCCTGTGATTCCAACGAGGCCAACGAGATGATGCCGGAGACC</p> <p>CCAACTGGGGACTCAGACCCGCAACCTGCTCCTAAAAAATGAAAACATCTGAGTCCTCG</p> <p>ACCATACTAGTGGTTCGCTACAGGAGGAACCTTTAAAAGAACATCTCCAGAGGAACGCTG</p> <p>AATGACCACGCCGAGAGAACAGAATCAACCCCTCCAAATGGAGGAGGAGGAATTCATG</p> <p>GAAATAATGGTTGAAATACCTGCAAGTAGCAAGAAGCTACATCTCTCAACCTTGGGCAA</p> <p>TGAAAATAAAGTTTGAGAAG</p>
Restriction Sites:	Please inquire
ACCN:	NM_013453
Insert Size:	400 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_013453.2.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).


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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_013453.2](#), [NP_038481.2](#)

RefSeq Size: 384 bp

RefSeq ORF: 294 bp

Locus ID: 30014

UniProt ID: [Q9NS26](#)

Cytogenetics: Xq27.2

Gene 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]