

Product datasheet for **SC123030**

SPANXB1 (NM_032461) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPANXB1 (NM_032461) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPANXB1
Synonyms:	B1; CT11.2; SPANX-B; SPANXB; SPANXB2; SPANXF1; SPANXF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_032461 edited</p> <p>AGCGAGGAGGGTATGCATAGGGAGGGCAAGAGCTCTGGGCCACTGCGAAGATTCAAAGC TCCAAAAACCTACTGTAGACATCGAAGAACCAATATATACAATGGGCCAACATCCAGTG TCCGCAGGCTGAAGAGGAGCGTCCCCTGTGAATCCAACGAGGCCAACGAGGCCAATGAGG CCAACAAGACGATGCCGAGACCCCAACTGGGGACTCAGACCCGCAACCTGCTCCTAAAA AAATGAAAACATCTGAGTCCTCGACCATACTAGTGGTTCGCTACAGGAGGAACGTGAAAA GAACATCTCCAGAGGAAGTGGTGAATGACCACGCCCGAGAGAACAGAATCAACCCCGACC AAATGGAGGAGGAGGAATTCATAGAAATAACGACTGAAAGACCTAAAAAGTAGCAAGAAG CTACATCCCTCAAACCTCGGCAATGAAAATAAAGTTTGAGAAGCAGAAAAAAAAAAAAAA AA</p>



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032461 unedited</p> <pre> ACATATATTTGTAATACGACTCACTATAGGGCGGCCGCATAAATTCTGTATAGCATACATT ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGAGGAGGG TATGCATAGGGAGGGCAAGAGCTCTGGGCCACTGCGAAGATTCAAAGCTCCAAAACCT ACTGTAGACATCGAAGAACCAATATATACAATGGGCCAACATCCAGTGTCCGAGGCTG AAGAGGAGCGTCCCCTGTGAATCCAACGAGGCCAACGAGGCCAATGAGGCCAACAGACG ATGCCGGAGACCCCAACTGGGGACTCAGACCCGCAACCTGCTCCTAAAAAATGAAAACA TCTGAGTCCTCGACCATACTAGTGGTTCGCTACAGGAGGAACGTGAAAAGAACATCTCCA GAGGAACCTGGTGAATGACCACGCCCGAGAGAACAAGATCAACCCCGACCAATGGAGGAG GAGGAATTCATAGAAATAACGACTGANAGACCTAAAAAGTAGCAAGAAGCTACATCCCTC ANACTTCGGCAATGAAAAATAAGTTTGAGAAGCAGAAAAAATAAATACTCTCCAGCG CTGGATCCGGCCCATAGGGCCTGATCCTTCGNAGGGGGGGCCCGTACCGATATCAAGCT TGTCGAATCTAGATTGCGGCCGCGGTCATAACTGGTTTCTGAACAGATCCCGGGTGGCAT CCCTGTGACCCCTCCCAAGTGCCCTTCTGGCCCTGAAATTGGCAACTCCGGGCCACCA GCCTTGTCAAAAAAATTAGTTTGATCATTTTGCCGAACAGGTGCTTCTATAATAT AATGGGTGGAAGGGGGGGGTATGAAAAATGGGGCAATTTTCAAAACCCCTGAAGG CGCTCTAGGGTTAATTAGGAAACCAAGCTTTGTAGGAGGTAGAAATGNTG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_032461
Insert Size:	482 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).
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).
Reconstitution Method:	<ol style="list-style-type: none"> 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_032461.2 , NP_115850.1
RefSeq Size:	472 bp
RefSeq ORF:	312 bp
Locus ID:	728695
UniProt ID:	Q9NS25
Cytogenetics:	Xq27.1

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 family member contains an additional 18 nucleotides in its coding region compared to the other family members in the same gene cluster. This family member is also subject to gene copy number variation. 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 spermatazoa, while attempting to further define its role in spermatogenesis. [provided by RefSeq, Apr 2014]