

Product datasheet for **SC301114**

SPIN2B (NM_001006683) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPIN2B (NM_001006683) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPIN2B
Synonyms:	dj323P24.2; SPIN-2; SPIN-2B; SPIN2_duplicate; TDRD26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301114 representing NM_001006683. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGAAGACCCCCAACGCACAGGAAGCCGAAGGGCAACAAACCAGGGCAGCTGCAGGACGGGCCACTGGG
 TCTGCAACATGACAAAGAAAAAGTCTCCAAAAGAAGCAGAGAGGCCGACCTTCATCCAGCCCCGC
 AGGAACATCGTGGGCTGCAGAATTTCTCATGGATGGAAGGAAGGAGATGAGCCCATCACGCAGTGGAAA
 GGAACCGTTCTGGATCAGGTGCCTATAATCCCTCTCTTATCTGGTGAAATATGATGGAATTGACTGT
 GTCTATGGACTGGAACCTCACAGAGATGAAAGGGTTTTGTCTCTTAAATCTTTCTGACAGGGTGGCA
 TCATCTCACATTAGTGATGCCAACCTTGCAAATACCATAATTGGCAAAGCAGTGGAACATATGTTTGAG
 GGAGAGCATGGTTCTAAGGATGAATGGAGGGGGATGGTCTTAGCTCAAGCACCTATCATGAAAGCCTGG
 TTTTATATTACCTATGAGAAAGATCCTGTCTTGTACATGTACCAGCTTCTAGATGATTATAAGGAAGGT
 GACCTCCGCATCATGCCAGAATCCAGTGAGTCTCCTCCACAGAGAGGGAGCCAGGAGGAGTTGTAGAT
 GGCCTAATAGGTAAGCATGTGGAATATACCAAAGAAGATGGCTCCAAAAGGATCGGCATGGTCATTAC
 CAAGTGGAAGCCAAACCTCTGTGATTTCATCAAGTTTGATGATGATTCCATATCTATGTCTACGAT
 TTGGTGAAAAAGTCC**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001006683
Insert Size:	777 bp


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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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:	<u>NM_001006683.1</u>
RefSeq Size:	1216 bp
RefSeq ORF:	777 bp
Locus ID:	474343
UniProt ID:	<u>Q9BPZ2</u>
Cytogenetics:	Xp11.21
MW:	29.2 kDa
Gene Summary:	Involved in the regulation of cell cycle progression, this activity is related to the inhibition of apoptosis following the removal of essential growth factors (PubMed:12145692). Exhibits H3K4me3-binding activity (PubMed:29061846).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an internal segment in the 5' UTR, as compared to variant 1. Variants 1, 2 and 3 encode the same isoform (1).