

## Product datasheet for **SC327422**

### SPSB2 (NM\_001146316) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPSB2 (NM_001146316) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPSB2
Synonyms:	GRCC9; SSB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327422 representing NM_001146316. Blue=Insert sequence Red=Cloning site Green=Tag(s)

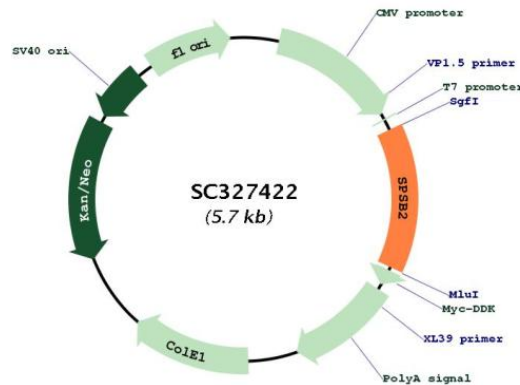
```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCCAGACAGCTCTGGCAGGGGGCAGCAGCAGCACCCACGCCACAGGCCCTGTACCTGACCTC
TCCTGTCCCGAGGGCTTGAAGAGCTGCTGTCTGCACCCCTCTGACCTGGGGGCCAGCGGCCAC
GGTTGGAACCCAAAGACTGTTCAAGAGCATCGAGGTCAAGGAAGGAGGGTTGTACTTTGAGCGGCG
CCCGTGGCCAGAGCACTGATGGGGCCGGGTAAGAGGGCTATTCAAGGGCCTGCACGCTGGGAG
ATCAGCTGGCCCTAGAGCAGAGGGGCACGCATGCCGTGGTGGGCTGGCCACGGCCCTCGCCCCGTG
CAGACTGACCACTACGCGCGCTGCTGGGCAGCAACAGCGAGTCGTGGGCTGGGACATCGGGCGGGG
AAGCTGTACCATCAGAGCAAGGGCCCGGAGCCCCCAGTATCCAGCGGGAATCAGGGTGAAGCAGCTG
GAGGTGCCAGAGAGACTGCTGGTGGTTCTGGACATGGAGGAGGGAATCTGGGCTACGCTATTGGGGC
ACCTACCTGGGGCCAGCATTCCGCGGACTGAAGGGCAGGACCCTCTATCCGGCAGTAAGCCTGTCTGG
GGCCAGTGCCAGGTCCGCATCCGCTACCTGGGCGAAAGGAGAGCGGAGCCCACTCCCTTCTGCACCTG
AGCCGCTGTGTGTGCCCAACCTGGGGGATACCCGGCTCGGCCAGGTGTCTGCCCTGCCCTTGCC
CCTGCCATGAAGCGCTACCTGCTCTACCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM\_001146316

Insert Size: 792 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:** 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: [NM\\_001146316.1](#)

RefSeq Size: 1220 bp

RefSeq ORF: 792 bp

Locus ID: 84727

UniProt ID: [Q99619](#)

Cytogenetics: 12p13.31

Protein Families: Druggable Genome

MW: 28.6 kDa

**Gene Summary:** This gene encodes a member of a subfamily of proteins containing a central SPRY (repeats in splA and RyR) domain and a C-terminal suppressor of cytokine signaling (SOCS) box. This protein plays a role in cell signaling. This gene is present in a gene-rich cluster on chromosome 12p13 in the vicinity of the CD4 antigen and triosephosphate isomerase genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 4 encode the same protein.