

Product datasheet for **RG200801**

SPSB2 (NM_032641) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPSB2 (NM_032641) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SPSB2
Synonyms: GRCC9; SSB2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200801 representing NM_032641
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCAGACAGCTCTGGCAGGGGGCAGCAGCAGCACCCCCACGCCACAGGCCCTGTACCCTGACCTCT
CCTGTCCCAGGGCTTGAAGAGCTGTGTCTGCACCCCCTCTGACCTGGGGGCCAGCGGCCACGG
TTGAACCCAAAGACTGTTTCAGAGAATCGAGGTCAAGGAAGGAGGGTTGTACTTTGAGCGCGGCC
GTGGCCAGAGCACTGATGGGGCCGGGTAAGAGGGCTATTCAAGGGCCTGCACGCCTGGGAGATCA
GCTGGCCCTAGAGCAGAGGGGCACGCATGCCGTGGTGGCGTGGCCACGGCCCTCGCCCGCTGCAGAC
TGACCACTACGCGCGCTGCTGGGCAGCAACAGCGAGTCGTGGGCTGGGACATCGGGCGGGGAAGCTG
TACCATCAGAGCAAGGGCCCGGAGCCCCCAGTATCCAGCGGGAATCAGGGTGAAGCAGCTGGAGGTGC
CAGAGAGACTGCTGGTGGTTCTGGACATGGAGGAGGGAATCTGGGCTACGCTATTGGGGGCACCTACCT
GGGGCCAGCATTCCGCGGACTGAAGGGCAGGACCCTCTATCCGGCAGTAAGCGCTGTCTGGGGCCAGTGC
CAGGTCCGCATCCGCTACCTGGGCGAAAGGAGAGCGGAGCCACACTCCCTTCTGCACCTGAGCCGCTGT
GTGTGCCACAACTGGGGATACCCGGCTCGGCCAGGTGTCTGCCCTGCCCTGCCCTGCCCTGCCATGAA
GCGCTACCTGCTTACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200801 representing NM_032641
Red=Cloning site Green=Tags(s)

MGQTALAGGSSSTPTPQALYPDLSCPEGLEELL SAPPPDLGAQRRHGWNPKDCSENIEVKEGGLYFERRP
 VAQSTDGARGKRGYSRGLHAWEI SWPLEQRGTHAVVGVATALAPLQTDHYAALLGSNSESWGWDIGRGL
 YHQSKGPGAPQYPAGTQGEQLEVPERLL VVLDMEEGTLGYAIGGTYLGP AFRGLKGR TLYPAVSAVWGQC
 QVRIRYLGERRAEPHSLHL SRLCVRHNLGDTRLGQVSALPLPPAMKRYLLYQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032641

ORF Size: 789 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_032641.4](#)

RefSeq Size: 1227 bp

RefSeq ORF: 792 bp

Locus ID: 84727

UniProt ID: [Q99619](#)

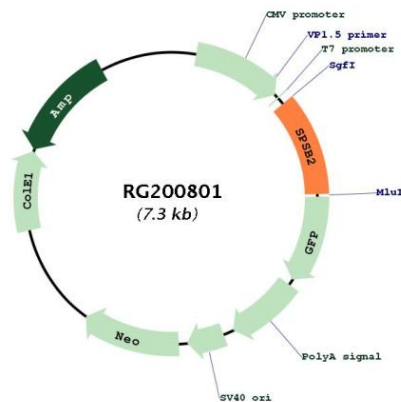
Cytogenetics: 12p13.31

Domains: SOCS, SPRY

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG200801