

Product datasheet for **RG228787**

SPSB2 (NM_001146316) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SPSB2 (NM_001146316) 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: >RG228787 representing NM_001146316
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCAGACAGCTCTGGCAGGGGGCAGCAGCAGCACCCCCACGCCACAGGCCCTGTACCCTGACCTCT
CCTGTCCCAGGGCTTGAAGAGCTGCTGTCTGCACCCCCTCTGACCTGGGGGCCAGCGGCCACGG
TTGAACCCAAAGACTGTTTCAGAGAATCGAGGTCAAGGAAGGAGGGTTGTACTTTGAGCGCGGCC
GTGGCCAGAGCACTGATGGGGCCGGGTAAGAGGGCTATTCAAGGGCCTGCACGCCTGGGAGATCA
GCTGGCCCTAGAGCAGAGGGGCACGCATGCCGTGGTGGCGTGGCCACGGCCCTCGCCCGCTGCAGAC
TGACCACTACGCGCGCTGCTGGGCAGCAACAGCGAGTCGTGGGCTGGGACATCGGGCGGGGAAGCTG
TACCATCAGAGCAAGGGCCCGGAGCCCCCAGTATCCAGCGGGAATCAGGGTGAGCAGCTGGAGGTGC
CAGAGAGACTGCTGGTGGTTCTGGACATGGAGGAGGGAATCTGGGCTACGCTATTGGGGCACCTACCT
GGGGCCAGCATTCCGCGACTGAAGGGCAGGACCCTCTATCCGGCAGTAAGCGCTGTCTGGGGCCAGTGC
CAGGTCCGCATCCGCTACCTGGGCGAAAGGAGAGCGGAGCCACTCCCTTCTGCACCTGAGCCGCTGT
GTGTGCCACAACTGGGGATACCCGGCTCGGCCAGGTGTCTGCCCTGCCCTGCCCTGCCATGAA
CGCTACCTGCTTACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228787 representing NM_001146316
Red=Cloning site Green=Tags(s)

MGQTALAGGSSSTPTPQALYPDLSCPEGLEELL SAPPDLGAQRRHGWNPKDCSENIEVKEGGLYFERRP
 VAQSTDGARGKRGYSRGLHAWEISWPLEQRGTHAVVGVATALAPLQTDHYAALLGSNSESWGWDIGRGKL
 YHQSKGPGAPQYPAGTQGEQLEVPERLLVVLDMEEGLGYAIGGTYLGPFRGLKGRITLYPAVSAVWGQC
 QVRIRYLGERRAEPHSLHL SRLCVRHNLGDTRLGQVSALPLPPAMKRYLLYQ

TRTRPLE - GFP Tag - V

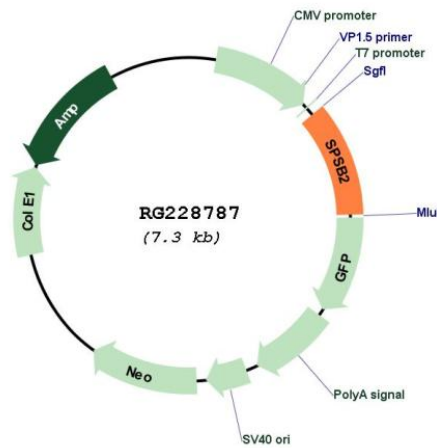
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001146316

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:	<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_001146316.2
RefSeq Size:	1220 bp
RefSeq ORF:	792 bp
Locus ID:	84727
UniProt ID:	Q99619
Cytogenetics:	12p13.31
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]