

Product datasheet for **MC205164**

Spsb4 (NM_145134) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Spsb4 (NM_145134) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Spsb4 |
| Synonyms: | D030068E18Rik; SSB-4; Ssb4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC055705
 CCCAGGCAGGCGCTCGCCCTCTCTTTTATGGAGCTTGGGTCCCTGCCACAGCCCAGCAGAGGCTGTGGAG
 GTCATCCATCAAGAAGCCTGGTTCCCAGCCTCAGGGTCCATCCTTGGATACCAGGATTGGAGGCATCTGC
 GAGGTAGCAGTGGCCAGCAGTGGTCCCTTCCCCATAGTGAACCATGGGTGAGAAGCTCTCTGGGAGCCTC
 AAGTCTGTGGAGGTGCGAGAGCCAGCGCTTCGGCCAGCTAAGCGGGAGCTCCGCGGCTTAGAACCTGGGC
 GACCCGACAGTCTAGACCAGTGTGGACATGCCTGCGGCAGGGTTGGCAGTACAGTACAGTACAGCAGCGTG
 GAACCCCGAGGACCGCTCCCTCAATGTCTTTGTCAAGGATGACGACCGCCTCACCTTCCACCGGCACCCA
 GTAGCCCAGAGCACAGATGGCATCCGTGGCAAGGTGGCCATGCCCGGGTCTGCACGCATGGCAGATCC
 ATTGGCCCGCTAGGCAGCGGGGACCCACGCTGTGGTGGGCGTGGCCACGGCCGAGCCCTTTGCACTC
 TGTGGGTTACACCGCACTGGTGGCAGTACTCCGAGTCGTGGGCTGGGACCTGGGTCGCAGCCGCTC
 TACCACGACGGCAAGAACCAGCCTGGGGTGGCATAACCCAGCCTTCTGGGGCCAGATGAAGCCTTTGCTC
 TGCCAGATTCTTATTGGTCGACTGGACATGGACGAGGGCAGCTCAGCTTCATCGTGGATGGCCAGTA
 CCTGGGCGTGGCCTTCCGTGGCCTCAAGGGCAAGAACTATACCCGGTGGTGGTGTGTGTGGGGTAC
 TGCGAAGTACCATGCGTACATCAACGGCCTTGACCCTGAGCCTCTGCCGCTGATGGACCTGTGCCGGC
 GATCCATCCGCTCAGCCCTGGGCGACAGCGCCTGCGTGACATCGGCTCCCTGCCCTGCCTCAGTCTCT
 GAAAACTACCTGCACTACCAGTACCAGTACCAGTACCAGTACCAGTACCAGTACCAGTACCAGTACCAGT
 GCGTCAGGACACATCAGTGACTTGGAAAAGGAATGCCTGTTGCCATTGCTGCCACCGACCAGGACCAGGA
 GGCCACCTCGTGAACCAGAGTGTAGAGACCATTATCTTCTCAAGAGAATGAATAAAACATTGGGCAGGA
 GACGGCATCCAGTTAGTTCCTCCACTGCAGACAGACCCAGGAAAATTGGCCAGTGGAGAGAAAATGGGTTC
 TGAATAATGAATGACAGAAGCCAGCCCTTGATGGTCTCTCCACGCTGCCCTGGCCAGGGCAGAGAGA
 CTGTCTCCATTTAAGACTTGGTACCCTTTGAGAGATGAGTCCAGGGTCCCACAGCAGGGCAAAAGCA
 CCTGGCCTTACCTCTCTGAGCCGGTTTCTCATCCCTCCTGCCCTTCCGTCATGGATAAAGTTCTTT
 GGCCATTCCCCTCCCCTTTTTCAGGGACATGAATCTGATGACTTGGCCTGGGGACAGAGTTTCTTCT
 TGGGTATGATCATTGTAAGTAGTGTTCGATTTTTTTTTTTTTTGAAGAGGAGTGGTGAAGGTGGCTTT
 CTCCCAAAGTGCTAAGGAAGATGGGGCCCTCGTGACACCAAGTCTGAGACACCCTGAGTATCCAGGGCT
 CTGGCAGCCATCATTAGGGTGAAGCCTGGCTGTCAAAAGCTTTCTTTGAGCAAATTTTTTTTCACTG
 TAGGAGACTTCCAGTTTGTTCGTTTCCAATATGTGTGTGATGCACCGTTTATTTATCAGCTGGGGCC
 CCGCGGTGTGGCCTTGGGACTGCAAAGGTGGGTATAACAGTCTCTGCAGGACCTGAGACCTATCCTCTCA
 CAGAATGTTGCTGCTGCTGCTGCTGCTGCCGCCAGCGCCACCATTGGCATCTTTGTGTGTTCCAAGAT
 ACCCTCCACCCAGACTCAGTTTTAACTGGAATCATCACAGAGTAGGATACAGAGCCAGACAGTGCAGCC
 TACTACTGTAATGTGAATGTGACCTACAAGCAAGGAACATTTCTAATAAAAGTTTGTCTTCTGCTTCA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_145134

Insert Size: 822 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:

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: [BC055705](#), [AAH55705](#)

RefSeq Size: 2125 bp

RefSeq ORF: 822 bp

Locus ID: 211949

UniProt ID: [Q8R5B6](#)

Cytogenetics: 9 E3.3

Gene Summary: Substrate recognition component of a SCF-like ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). Negatively regulates nitric oxide (NO) production and limits cellular toxicity in activated macrophages by mediating the ubiquitination and proteasomal degradation of NOS2 (By similarity). Acts as a bridge which links NOS2 with the ECS E3 ubiquitin ligase complex components ELOC and CUL5 (By similarity). Diminishes EphB2-dependent cell repulsive responses by mediating the ubiquitination and degradation of the EphB2/CTF2 (By similarity). Regulates cellular clock function by mediating ubiquitination and proteasomal degradation of the circadian transcriptional repressor NR1D1 (By similarity).[UniProtKB/Swiss-Prot Function]