

Product datasheet for **MC200175**

Spsb2 (NM_013539) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Spsb2 (NM_013539) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Spsb2 |
| Synonyms: | AI461677; C9; Grcc; Grcc9; SS; SSB2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |

Fully Sequenced ORF: >BC002005 sequence for NM_013539
GGAGGGACAAGAGTTACCCACTCAAAGAGTGTGCTCCACAAAGCATGCGCGTTGTCCACGTCTGGAGT
CGTCACTTATTTTTGCCTGGATTCTTTGTAGCCGGGGACGATCCGGAGCTCAACTTTCAAAGCGAGAC
GCCCCAGCAAGCCTGTTTTGAGAAGTTCTTCAGCGGCTCTCCTCATGGGCCAGACGGCCCTGGCAAGGGG
CAGCAGCAGCACCCCTACCTCGCAGGCTCTGTA CTGACTCGGACTTCTCTCCTCCCGAGGGCTTGGAGGACTC
CTGTCTGCTCCCCCTCTGACCTGGTTGCCAACGGCACCACGGCTGGAACCCCAAGGATTGCTCCGAGA
ACATCGATGTCAAGGAAGGGGTCTGTGCTTTGAGCGGCCCTGTGGCCAGAGCACTGATGGAGTCCG
GGGAAACGGGGCTATTCGAGAGGTCTGCACGCCCTGGGAGATCAGCTGGCCCTGGAGCAAAGGGGCACA
CACGCCGTGGTGGGCGTGGCCACCGCCCTCGCCCCGCTGCAGGCTGACCACTATGCGGCGCTTTTGGGCA
GCAACAGCGAGTCTGGGCTGGGATATTGGGCGGGAAAATTGTATCATCAGAGTAAGGGCCTCGAGGC
CCCCAGTATCCAGCTGGACCTCAGGGTGAAGCAGCTAGTGGTCCAGAGAGACTGCTGGTGGTTCTGGAC
ATGGAGGAGGGGACTCTTGGCTACTCTATTGGGGGCACGTACCTGGGACCAGCCTTCCGTGGACTGAAGG
GGAGGACCTCTATCCCTCTGTAAGTGCTGTTGGGGCCAGTGCCAGGTCGCCATCCGCTACATGGGCGA
AAGAAGAGTGGAGGAACCACAATCCCTTCTGCACCTGAGCCGCTGTGTGTGCGCCATGCTCTGGGGGAC
ACCCGGCTGGGTCAAATATCCACTCTGCCTTTGCCCCCTGCCATGAAGCGCTATCTGCTCTACAAATGAC
CCAGTAGTACAGGGTGTGCTGGCACCCCTACCGTGGGGACAGGTGGAGAGGCACCCGCTGGCTAGACAAC
TTAAAAAGCTGGTGAAGCTGGGGGGGGGGCTGGACCCCTTCACTCCCCTTCTCACAGGAGCAAGAC
ATATAGAAATGATATTAACACCATGGCAGCCTGGGACAAAGAGGTTTTTGAAGTAAAAAATGAGATGTA
TTGTCAAAAAAAAAAAAAAAAAA

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| Restriction Sites: | RsrII-NotI |
| ACCN: | NM_013539 |
| Insert Size: | 795 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). |
| 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: | BC002005 , AAH02005 |
| RefSeq Size: | 1212 bp |
| RefSeq ORF: | 795 bp |
| Locus ID: | 14794 |
| UniProt ID: | O88838 |
| Cytogenetics: | 6 59.17 cM |
| Gene Summary: | <p>This gene encodes a member of the SSB family of proteins that contain a central SPRY (repeats in splA and ryanodine receptors) domain and a C-terminal SOCS (suppressor of cytokine signaling) box. The encoded protein is an adaptor protein in the E3 ubiquitin ligase complex that ubiquitinates inducible nitric oxide synthase and targets it for proteasomal degradation. Mice lacking the encoded protein exhibit lower blood urea nitrogen levels and mild thrombocytopenia due to reduced platelet production. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1, 2, 3 and 4 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |