

Product datasheet for **MR218997**

Spsb3 (NM_001163750) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Spsb3
Synonyms:	2310012N15Rik; 3300001M01Rik; mKIAA4204; SSB3; Tce1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR218997 representing NM_001163750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCAGGGCGGGGCGGGGATTGTTTGCCTCGCGCCGGAACGGAAGTGGGTACGCGCGGGGAGCTT
 TTTGGCCGACAGGTGAGCCGCGCCGCCAGCCCGGTACGCCCCGGCGCCGGGTTGACCTTGACGGC
 GGTCAAGCCGGCCACCCGTTGTTCCCTGGCGGTGGCGCTCGGGAGTCTGGCGGGGGCTCGGAGTCAGG
 CGTCAGGGACGGCATCGCTGTGGCGAGATCCGCGAGCCTTTGGCGAGGGAAGCAACCTTCAGCCCCGCGG
 AGGCCGAGCGTGGCTACGTCCAGGGACATCTCTGGTTCATTATTGGGTTCTACTGTGTGTTCTTATAC
 GGCGCTCAGCCAACCAACTGCTGTGGAGTGCTGTGCGCGGCCCGCCCGGCTTCTTTGGGATGGCCGG
 GGCGAGGTTCTCTCACTATGGCCCGGCGTACACGGAGTAGCAGGGCATGGCATTTCGTCTGAGCGCAG
 CCCGCCGAGATACAGATGCCCGGGCTGTGGCTCTGGCAGGCAGCTCTAACTGGGGCTATGACTCTGATGG
 GCAGCACAGCGACTCCGACTCTGACCTGAGTACTCTCCCTGCCACCATCCATCCCAGTGCTGTGCCT
 GTGACAGGAGAGTCTTCTGTGACTGCGAGGGCCAGAATGAGGCTACCTTCTGCAACAGTCTGCACACAG
 CACACCGTGGAAGGACTGCCGGTGTGGTGAAGGAGTGAAGATTTTATTGGGTCTGGGATGACCTGAA
 CAAGTCTCAGCCACCTTGCTGAGCTGTGATAATCGCAAGGTACGCTTTACATGGAGTATAGCTGTGGC
 ACTGCAGCCATTGCGGGACCAAGGAGCTAGGGGATGGCCAACTCTGGGAAATCAAGATGACCTCTC
 CAGTGTATGGCACAGACATGATGGTGGCATTGGGACGTCGGATGTAGACCTGGACAAGTACCACACAC
 GTTCTGCAGCCTGCTGGCAGGGATGAGGACAGCTGGGGCTCTCCTACACTGGGCTCTCCACCACAAA
 GGTGACAAGACGAGCTTCTCTCACGCTTTGGCCAGGGCTCCATTATTGGTGTGCACTTGGACACCTGGC
 ATGGGACACTGACATTCTCAAGAACAGGAAGTGCATAGGAGTGGCTGCTACTCGGCTTCAAACAGAAG
 GTTCTACCCGATGGTTTGTCTCACGGCTGCCAAGAGCAGCATGAAAGTCATCCGCTCCTGCCACGCTCC
 ACATCCCTGCAGTACCTGTGCTGCTACCGCTTGCGCCAACTGCGGCCAAATTACAGGGACACCTCGAGG
 GCCTGCCCTTGCCACCTGGCCTCAAGCAAGTGTGCATAACAAGCTGGGCTGGGTTCTGAGCATGAAGT
 CAACCACTGGAATCCCTGTGCCCCCTCTGGCACAGCTACACCTGGTGCCGAGAGTCTGGAGACCAGG
 CCTGTGAGGAAGCGCTGCCGAAGAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218997 representing NM_001163750
 Red=Cloning site Green=Tags(s)

MQGGGGDCLRRGRNGKWSAGGAFWPQVSRAGPARSGPAAGGLTLQAVKPATRCSLAVALGSLGGGLGVR
 RQGRHRCGEIREPLAREATFSPAEEAERYVQGHWFIIHWPTVCSYALSQPNCCGVLCAPPGFFVDGR
 GEVLSTMARRTRSSRAWHFVLSAARRDTPARAVALAGSSNWGYSDGQHSDDSDPEYSSLPSPISAVP
 VTGESFCDCEGQNEATFCNSLHTAHRGKDCRCGEEDDFDWVWDDLKSSATLLSCDNRKVSFHMEYSCG
 TAAIRGTKELGQHFWEIKMTSPVYGTDMMVIGTSDVDLDKYHHTFCSSLGRDEDSWGLSYTGLLHHK
 GDKTSFSSRFQGSIIIGVHLDTHWGLTTFKRNKCIQVAATRLQNRFFYPMVCSTAAKSSMKVIRSCASS
 TSLQYLCCYRLRLRPNSGDTLEGLPLPGLKQVLHNKLGWVLSMNCNHWKSPVPPPGTATPGAESLETR
 PCQRKRCRRS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163750

ORF Size: 1500 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001163750.1](#), [NP_001157222.1](#)

RefSeq Size: 1953 bp

RefSeq ORF: 1503 bp

Locus ID: 79043

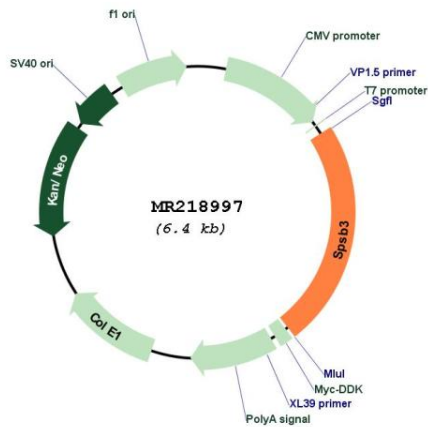
UniProt ID: [Q571F5](#)

Cytogenetics: 17 A3.3

MW: 54.5 kDa

Gene Summary: May be a 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218997