

Product datasheet for **MG216692**

Spsb3 (NM_001163751) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spsb3 (NM_001163751) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spsb3
Synonyms:	2310012N15Rik; 3300001M01Rik; mKIAA4204; SSB3; Tce1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216692 representing NM_001163751 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGGCGGGGCGGGGATTGTTTGCCTCGCGCCGGAACGGAAAGTGGGTGACGCGCGGGGAGCTT
TTTGGCCGAGGTTCTCTCCACTATGGCCCGCGTACACGGAGTAGCAGGGCATGGCATTTCGTCCTGAG
CGCAGCCCGGAGATACAGATGCCCGGCTGTGGCTCTGGCAGGCAGCTCTAACTGGGGCTATGACTCT
GATGGGCAGCACAGCGACTCCGACTCTGACCCTGAGTACTCCTCCCTGCCACCATCCATCCCCAGTGCTG
TGCTGTGACAGGAGAGTCTTCTGTGACTGCGAGGGCCAGAATGAGGCTACCTTCTGCAACAGTCTGCA
CACAGCACACCGTGGCAAGGACTGCCGGTGTGGTGAAGGATGAGGATTTGATTGGGTCTGGGATGAC
CTGAACAAGTCTCAGCCACCTTCTGAGCTGTGATAATCGCAAGGTGAGCTTTCACATGGAGTATAGCT
GTGGCACTGCAGCCATTCGGGGCACCAAGGAGCTAGGGGATGGCCAACACTTCTGGGAAATCAAGATGAC
CTCTCCAGTGTATGGCACAGACATGATGGTGGCATTGGGACGTCGGATGTAGACCTGGACAAGTACCAC
CACAGTTCTGCAGCCTGCTGGCAGGGATGAGGACAGCTGGGGCTCTCCTACACTGGGCTCTCCACC
ACAAAGGTGACAAGACGAGCTTCTTTCACGCTTTGGCCAGGGCTCCATTATTGGTGTGCACTTGGACAC
CTGGCATGGGACACTGACATTCTCAAGAACAGGAAGTGCATAGGAGTGGCTGCTACTCGGCTTCAAAC
AGAAGTTCTACCCGATGTTTGTCTCCACGGCTGCCAAGAGCATGAAAGTCAATCCGCTCTGCGCCA
GCTCCACATCCCTGCAGTACCTGTGCTACCGCTTGGCCAACTGCGGCCAAATTCAGGGGACACCT
CGAGGGCTGCCCTTGGCACCTGGCCTCAAGCAAGTGTGCATAACAAGTGGGCTGGGTTCTGAGCATG
AACTGCAACCACTGAAAATCCCCTGTGCCCCCTCCTGGCACAGCTACACCTGGTCCGAGAGTCTGGAGA
CCAGGCCCTGTGAGGAAGCGCTGCCAAGAAGC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216692 representing NM_001163751
 Red=Cloning site Green=Tags(s)

MQGGGDCLRRGRNGKWSAGGAFWPQVLSTMARTRSSRAWHFVLSAARRDTDARAVALAGSSNWGYDS
 DGQHSDSDSDPEYSSLPSPISAVPVTGESFCDCEGQNEATFCNSLHTAHRGKDCRCGEDEDFDWVWDD
 LNKSSATLLSCDNRKVSFHMEYSCGTAAIRGKELGDGQHFWEIKMTSPVYGTMMVIGITSDVDLDKYH
 HTFCSLLRDEDSWGLSYTGLLHHKGDKTSFSSRFGQSSIIGVHLDTHWGTLTFFKNRKCIGVAATRLQN
 RRFYPMVCSTAAKSSMKVIRSCASSTSLQYLCCYRLRQLRPNSGDTLEGLPLPPGLKQVLHNKLGWVLSM
 NCNHWKSPVPPGTATPGAESLETRPCQRKRCRRS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001163751

ORF Size: 1155 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_001163751.1](#), [NP_001157223.1](#)

RefSeq Size: 1608 bp

RefSeq ORF: 1158 bp

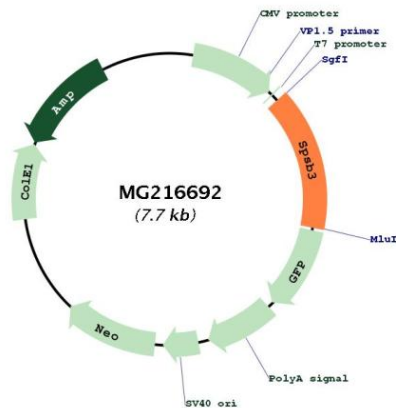
Locus ID: 79043

UniProt ID: [Q571F5](#)

Cytogenetics: 17 A3.3

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 MG216692