

## Product datasheet for MR228133

### Ssbp1 (NM\_001286663) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ssbp1 (NM\_001286663) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ssbp1  
**Synonyms:** 2810480P10Rik; G630031O20Rik; mtDBP; MtSSB  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228133 representing NM\_001286663  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTTCGAAGACCTGTGTTACAGGATTTTCGTCAGTTTGAAGACATGAGTCTGAAGTAGCCAGCAGTT  
TGGTTCCTGAACGATCTCTGAATCGTGTTCACTTGGACGAGTAGGTGAGGACCTGTCATGAGACA  
GGTGAAGGAAAAACCCAGTCACAATATTTCTCTAGCAACAAATGAGATGTGGCGATCAGGGGATAGT  
GAAGTATACCAATGGGTGACGTTAGTCAGAAGACGACGTGGCACAGAATATCAGTGTTCGACCAGGCC  
TCAGAGATGTGGCATATCAGTATGTGAAAAGGGGCTCGTATATTTGTGGAAGGAAAGTGGACTATGG  
CGAGTACATGGATAAAAAAATGTGAGGCGCAAGCAACAACAATCATAGCTGATAACATTATATTTCTG  
AGTGACCAGACAAAAGAAAAGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228133 representing NM\_001286663  
Red=Cloning site Green=Tags(s)

MFRRPVLQVFRQFVRHESEVASSLVLERSLNRVQLLGRVQDPVMRQVEGKNPVTIFSLATNEMWRSKDS  
EYVQMGDVSQKTTWHRISVFRPGLRDVAYQVYKKGARIFVEGKVDYGEYMDKNNVRRQATTTIADNIIIFL  
SDQTKEKA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_001286663

**ORF Size:** 444 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\\_001286663.1](#), [NP\\_001273592.1](#)

**RefSeq Size:** 2047 bp

**RefSeq ORF:** 447 bp

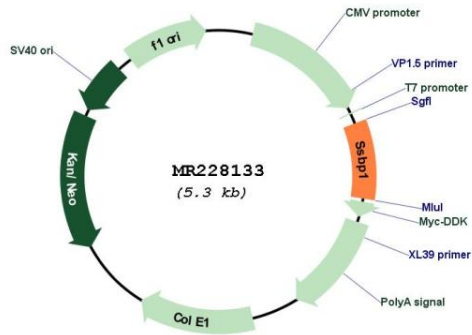
**Locus ID:** 381760

**Cytogenetics:** 6 B1

**MW:** 17.2 kDa

**Gene Summary:** This protein binds preferentially and cooperatively to ss-DNA. Probably involved in mitochondrial DNA replication. Associates with mitochondrial DNA (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR228133