

Product datasheet for **MC225923**

Ssbp1 (NM_001286664) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ssbp1 (NM_001286664) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ssbp1
Synonyms: 2810480P10Rik; G630031O20Rik; mtDBP; MtSSB
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225923 representing NM_001286664
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTTCGAAGACCTGTGTTACAGGTATTTTCGTCAGTTTGTAAAGACATGAGTCTGAAGTAGCCAGCAGTT
TGGTTCCTGAACGATCTCTGAATCGTGTTCAGTACTTGGACGAGTAGGTCAGGACCCTGTCATGAGACA
GGTGAAGGAAAAACCCAGTCACAATATTTTCTAGCAACAAATGAGATGTGGCGATCAGGGGATAGT
GAAGTATACCAAATGGGTGACGTTAGTCAGAAGACGACGTGGCACAGAATATCAGTGTTTCGACCAGGCC
TCAGAGATGTGGCATATCAGTATGTGAAAAAGGGGCTCGTATATTTGTGGAAGGAAAAGTGACTATGG
CGAGTACATGGATAAAAACAATGTGAGGCGCAAGCAACAACAATCATAGCTGATAACATTATATTTCTG
AGTGACCAGACAAAAGAAAAGGC**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001286664
Insert Size: 447 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001286664.1</u> , <u>NP_001273593.1</u>
RefSeq Size:	2047 bp
RefSeq ORF:	447 bp
Locus ID:	381760
Cytogenetics:	6 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and includes an alternate 3' terminal exon, compared to variant 2. Variants 1, 3 and 4 encode the same isoform (1) which is shorter and has a distinct C-terminus, compared to isoform 2.</p>