

Product datasheet for MR201027

Ssbp1 (NM_212468) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ssbp1 (NM_212468) 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: >MR201027 representing NM_212468
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCGAAGACCTGTGTTACAGGATTTTCGTCAGTTTGAAGACATGAGTCTGAAGTAGCCAGCAGTT
TGGTTCCTGAACGATCTCTGAATCGTGTCAGTTACTTGGACGAGTAGGTGAGGACCTGTCATGAGACA
GGTGAAGGAAAAACCCAGTCACAATATTTCTCTAGCAACAAATGAGATGTGGCGATCAGGGGATAGT
GAAGTATACCAATGGGTGACGTTAGTCAGAAGACGACGTGGCACAGAATATCAGTGTTCGACCAGGCC
TCAGAGATGTGGCATATCAGTATGTGAAAAGGGGCTCGTATATTTGTGGAAGGAAAGTGGACTATGG
CGAGTACATGGATAAAAACAATGTGAGGCGCAAGCAACAACAATCATAGCTGATAACATTATATTTCTG
AGTGACCAGACAAAAGAAAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201027 representing NM_212468
Red=Cloning site Green=Tags(s)
MFRRPVLQVFRQFVRHESEVASSLVLERSLNRVQLLGRVQDPVMRQVEGKNPVTIFSLATNEMWRSKDS
EYVQMGDVSQKTTWHRISVFRPGLRDVAYQVYVKKGARIFVEGKVDYGEYMDKNNVRRQATTTIADNIIIFL
SDQTKEKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

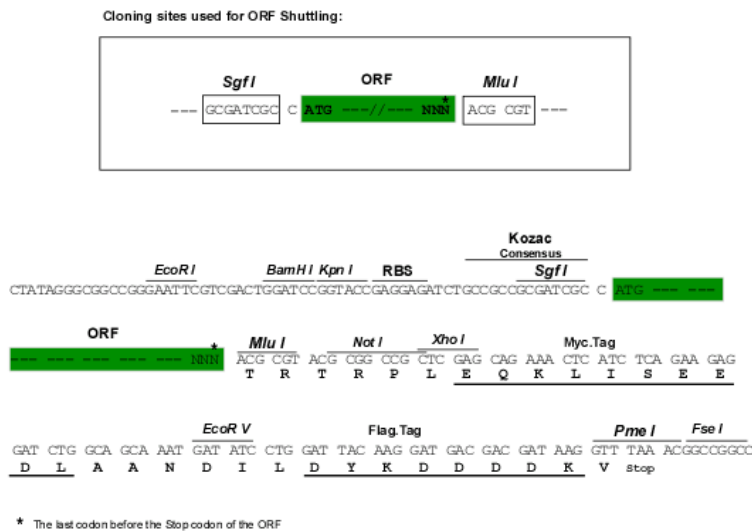
Chromatograms: https://cdn.origene.com/chromatograms/mm9035_f05.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_212468

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_212468.3](#), [NP_997633.1](#)

RefSeq Size: 1489 bp

RefSeq ORF: 447 bp

Locus ID: 381760

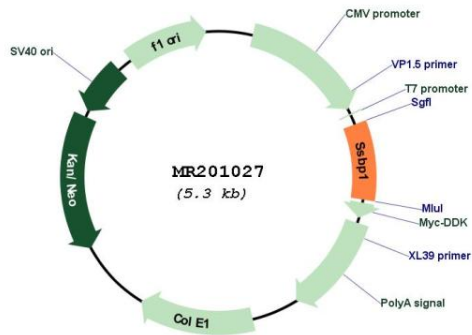
UniProt ID: [Q9CYR0](#)

Cytogenetics: 6 B1

MW: 17.6 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 MR201027