

Product datasheet for MR228134

Ssbp1 (NM_001286664) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ssbp1 (NM_001286664) 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: >MR228134 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCGAAGACCTGTGTTACAGGATTTTCGTCAGTTTGTAAAGACATGAGTCTGAAGTAGCCAGCAGTT
TGGTTCCTGAACGATCTCTGAATCGTGTCAGTACTTGGACGAGTAGGTGAGGACCTGTCATGAGACA
GGTGAAGGAAAAACCCAGTCACAATATTTCTCTAGCAACAAATGAGATGTGGCGATCAGGGGATAGT
GAAGTATACCAAATGGGTGACGTTAGTCAGAAGACGACGTGGCACAGAATATCAGTGTTCGACCAGGCC
TCAGAGATGTGGCATATCAGTATGTGAAAAGGGGCTCGTATATTTGTGGAAGGAAAGTGGACTATGG
CGAGTACATGGATAAAAAAATGTGAGGCGCAAGCAACAACAATCATAGCTGATAACATTATATTTCTG
AGTGACCAGACAAAAGAAAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228134 protein sequence
 Red=Cloning site Green=Tags(s)
 MFRRPVLQVFRQFVRHESEVASSLVLERSLNRVQLLGRVQDPVMRQVEGKNPVTIFSLATNEMWRSKDS
 EYVQMGDVSQKTTWHRISVFRPGLRDVAYQVYKKGARIFVEGKVDYGEYMDKNNVRRQATTTIADNIIIFL
 SDQTKEKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001286664

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_001286664.1](#), [NP_001273593.1](#)

RefSeq Size: 2047 bp

RefSeq ORF: 447 bp

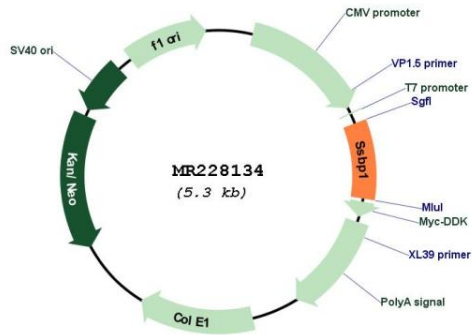
Locus ID: 381760

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 MR228134