

Product datasheet for **MR217478**

Serbp1 (NM_001113566) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Serbp1 (NM_001113566) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Serbp1
Synonyms: 120009K13Rik; 9330147J08Rik; AL022786; Pairbp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217478 representing NM_001113566
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGCACCTACAGGAAGGCTTCGGCTGCGTGGTACCAACCGATTGACAGCTATTTGACGACG
AATCGGACCCTTTCGAGGTAAGAGGCAGCAGAGAACAAGAAAAAGAGCCGGCGGGGGCGGCTTGG
GGGCCCGGGGCAAGAGCGCGGCTCAGGCCGGCCAGACCACTCCAACGGCGGGGCAACAGTTG
CGTAAAGAGTCCAGAAAGACCGCAAGAACCCTGCCCCCAGCGTCGGCGTGGCCGACAAAAAGGAGG
AGACGCAGCCCGGTGGCGCTTAAGAAAGAAGGAATAAGGCGAGTTGGAAGAAGACCCGATCAACAACT
ACAGGGTATGGGAACTAATTGATAGGAGAGCAGAAAGGCGACCACCCGTGAAAGAAGATTTGAAAAG
CCAATTGAAGAAAAGGTGAAGGAGGTGAATTTTCAGTTGATAGACCGATTATCGAACGGCTATCCGAG
GCCGAGGTGGTCTTGAAGGGTTCGAGGAGGCCGTGGACGTGGAATGGGCCGAGGCGATGGATTTGATTC
TCGTGGCAAGCGTGAATTTGATAGGCATAGTGAAGTATAGATCTGGCCTGAAGCATGAGGACAAACGC
GGAGGTAGCGCTCTCACAACGGGAACTGTCAAAGATGAATTAAGTATTTGGATCAATCAAATGTGA
CTGAGGAAACACCTGAAGGTGAAGAGCACCTGTGGCAGATACTGAAAAAAGGAGAACGAAGTTGAAGA
GGTTAAGGAAGAGGGTCCAAAAGAGATGACTCTGGATGAGTGGAAAGCTATTCAAAATAAGACCGAGCA
AAAGTAGAATTTAATATCCGAAAACCAAATGAAGGCGCCGATGGACAATGAAAAAGGGATTTGTCTGC
ATAAATCAAAAAGTGAAGAGGCTCATGCTGAAGATTGAGTTATGGACCATCATTTCCGGAAGCCAGCAAA
TGATATAACATCTCAACTGGAGATCAATTTTGGAGACTTAGGCCCCAGGACGTGGTGGCAGAGGAGGA
CGTGGTGGCGTGGCGTGGTGGACGTCAAACCGTGGCAGCAGGACTGATAAGTCAAGTCTTCTGCTC
CTGATGTAGATGACCCAGAGGCCTTCCAGCTCTGGCC

ACGCGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217478 representing NM_001113566
Red=Cloning site Green=Tags(s)

MPGHLQEGFGCVVTNRFQQLFDDSDPFEVLKAAENKKKEAGGGVGGPGAKSAAQAAAQTNSNAAGKQL
 RKESQKDRKNLPPSVGVADKKEETQPPVALKKEGIRRVGRRPDQQLQDQGLIDRRAERRPPRRRFEK
 PLEEKGEGERFSVDRPIIERPIRGRGGLGRGRGRGRMGGRDGFDSRGKREFDRHSGSDRSGLKHEDKR
 GSGSHNWGTVKDELTDLDQSNVTEETPEGEEHPVADTENKENEVEEVKEEGPKEMTLDEWKAIQNKDRA
 KVEFNIRKPNEGADGQWKGFVLHKSKSEEAHAEDSVMDHHRKFPANDITSQLEINFGLGRPGRGGRGG
 RGRGRGRPNRGRSRTDKSSASAPVDVDDPEAFPALA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001113566

ORF Size: 1158 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_001113566.1](#), [NP_001107038.1](#)

RefSeq Size: 6622 bp

RefSeq ORF: 1161 bp

Locus ID: 66870

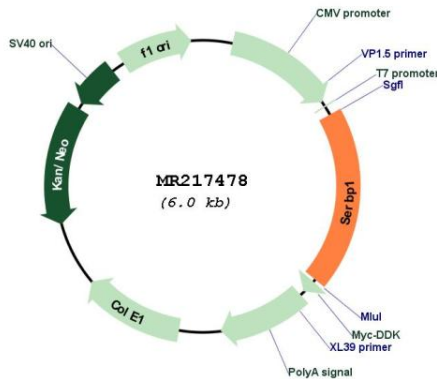
UniProt ID: [Q9CY58](#)

Cytogenetics: 6 C1

MW: 42.2 kDa

Gene Summary: May play a role in the regulation of mRNA stability. Binds to the 3'-most 134 nt of the SERPINE1/PAI1 mRNA, a region which confers cyclic nucleotide regulation of message decay. Seems to play a role in PML-nuclear bodies formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217478