

## Product datasheet for **RR212350**

### Serbp1 (NM\_145086) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serbp1 (NM_145086) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serbp1
Synonyms:	Pai-Rbp1; Pairbp1; Rda288
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212350 representing NM_145086 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGGCACCTACAGGAAGGCTTCGGCTGCGTGGTACCAACCGATTCGACCAGCTATTTGACGACG  
AATCGGACCTTTTCGAGGTACTGAAGGCAGCAGAGAACAAGAAAAAGAAGCCGGCGGGGGCGGCTTGG  
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CGGAAAGAGTCCCAGAAAGACCGCAAGAACCCGCTGCCCCAGCGTCGGCGTGGCTGACAAAAAGGAGG  
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TCAGGGTGATGGGAAAATAATTGATAGGAGACCAGAAAGGCGACCACCTCGTGAAAGAAGATTTGAAAAG  
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GCCGAGGTGGTCTTGAAGGGGTCGAGGTGGCCGTGGCCGTGGAATGGCCGAGGTGATGGATTTGATTC  
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CGTGGTGCAGAGGAGGACGTGGTGGACGTGGCGTGGTGGTCTCTAATCGTGGCAGCAGGACTGATA  
AGTCAAGTGCTTCTGCTCTGATGTAGATGACCCAGAGGCATTCCCCGCTCTGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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Protein Sequence: >RR212350 representing NM\_145086  
 Red=Cloning site Green=Tags(s)

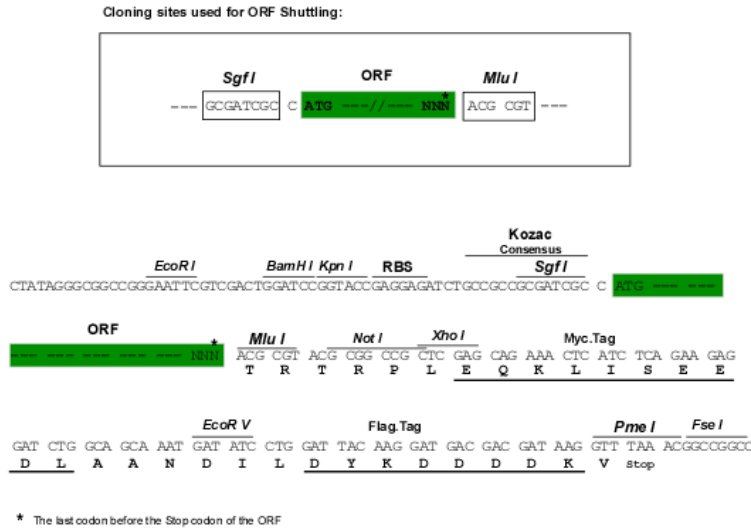
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 RKESQKDRKNPLPPSVGVADKKEETQPPVALKKEGIRRVGRRPDQQLQDGGKIIDRRPERRPPRRRFEK  
 PLEEKGEGGEFSVDRPIIERPIIRGRGGLGRGRGRGMGRGDGFD SRGKREFDRHSGSDRSSFSHYSGL  
 KHEDKRGSGSHNWGTVKDELTDLEQSNVTEETPEGEEHPVADTENKENEVEEVKEEGPKEMTLDEWKAI  
 QNKDRAKVEFNIRKPNEGADGQWKKGFVLHKSKEEAHAEDSVMDDHFRKPANDITSQLEINF GDLGRPG  
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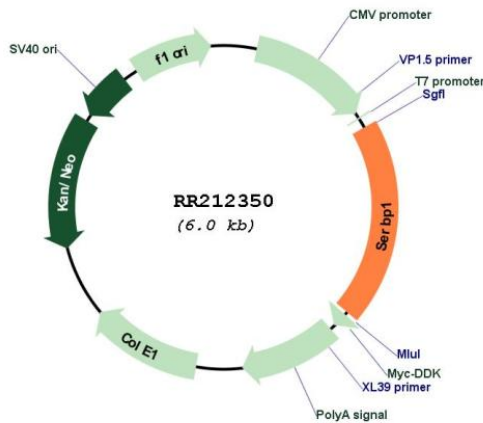
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_145086

<b>ORF Size:</b>	1176 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_145086.1</a> , <a href="#">NP_659554.1</a>
<b>RefSeq Size:</b>	1357 bp
<b>RefSeq ORF:</b>	1179 bp
<b>Locus ID:</b>	246303
<b>UniProt ID:</b>	<a href="#">Q6AXS5</a>
<b>Cytogenetics:</b>	4q31
<b>MW:</b>	43 kDa
<b>Gene Summary:</b>	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]