

## Product datasheet for **RG203582**

### SERBP1 (NM\_015640) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SERBP1 (NM_015640) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERBP1
Synonyms:	CGI-55; CHD3IP; HABP4L; PAI-RBP1; PAIRBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203582 representing NM_015640 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGGCACTTACAGGAAGGCTTCGGCTGCGTGGTACCAACCGATTGACAGTTATTTGACGACG  
AATCGGACCCCTTCGAGGTGCTGAAGGCAGCAGAGAACAAGAAAAAGAAGCCGGCGGGGGCGCGTTGG  
GGGCCCTGGGGCCAAGAGCGCAGCTCAGGCCGCGGCCAGACCACTCCAACGCGGCAGGCAAACAGCTG  
CGCAAGGAGTCCCAGAAAGACCGCAAGAACCCGCTGCCCCAGCGTTGGCGTGGTTGACAAGAAAGAGG  
AGACGCAGCCGCCGTGGCGCTTAAGAAAGAAGGAATAAGACGAGTTGGAAGAAGACCTGATCAACAACT  
TCAGGGTGAAGGAAAATAATTGATAGAAGACCAGAAAGGCGACCACCTCGTGAACGAAGATTGAAAAAG  
CCACTTGAAGAAAAGGTGAAGGAGGCGAATTTTCAGTTGATAGACCGATTATTGACCGACCTATTTCGAG  
GTCGTGGTGGTCTTGAAGAGGTGAGGGGGCCGTGGACGTGGAATGGGCCGAGGAGATGGATTTGATTC  
TCGTGGCAAACGTGAATTTGATAGGCATAGTGGAAGTGATAGATCTGGCCTGAAGCACGAGGACAAACGT  
GGAGGTAGCGGATCTCACAACGGGAACTGTCAAAGACGAATTAAGTACTGGATCAATCAAATGTGA  
CTGAGGAAACACCTGAAGGTGAAGAATCATCCAGTGGCAGACACTGAAAATAAGGAGAATGAAGTTGA  
AGAGGTAAAAGAGGAGGGTCCAAAAGAGATGACTTTGGATGAGTGAAGGCTATTCAAAAAAGGACCGG  
GCAAAAGTAGAATTTAATATCCGAAAACCAAATGAAGGTGCTGATGGCAGTGAAGAAGGGATTTGTTCC  
TTCATAAATCAAAGAGTGAAGAGGCTCATGCTGAAGATTGCGTTATGGACCATCATTTCCGGAAGCCAGC  
AAATGATATAACGTCTCAGCTGGAGATCAATTTTGGAGACCTTGCCGCCAGGACGTGGCGGCAGGGGA  
GGACGAGGTGGACGTGGCGTGGTGGGCGCCAAACCGTGGCAGCAGGACCGACAAGTCAAGTGCTTCTG  
CTCCTGATGTGGATGACCCAGAGGCATTCCAGCTCTGGCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203582 representing NM\_015640  
 Red=Cloning site Green=Tags(s)

MPGHLQEGFGCVVTNRFQQLFDDESDPFEVLKAAENKKKEAGGGVGGPGAKSAAQAAAQTNSNAAGKQL  
 RKESQKDRKNLPPSVGVVDKKEETQPPVALKKEGIRRVGRRPDQQLQEGEKIIDRRPERRPPRRRFEK  
 PLEEKGEGERFSVDRPIIDRPIRGRGGLGRGRGGRGRGMGRGDGFD SRGKREFDRHSGSDRSGLKHEDKR  
 GSGSHNWGTVKDELTDLDQSNVTEETPEGEEHHPVADTENKENEVEEVKKEEGPKEMTLDEWKAIQNKDR  
 AKVEFNIRKPNEGADGQWKKGFVLHKSKEEAHAEDSVMDDHFRKPANDITSQLEINFGDLGRPGRGGRG  
 GRGGRGGRPNRGSRTDKSSASAPDVDDPEAFPALA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_015640

**ORF Size:** 1161 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\\_015640.4](#)

**RefSeq Size:** 6701 bp

**RefSeq ORF:** 1164 bp

**Locus ID:** 26135

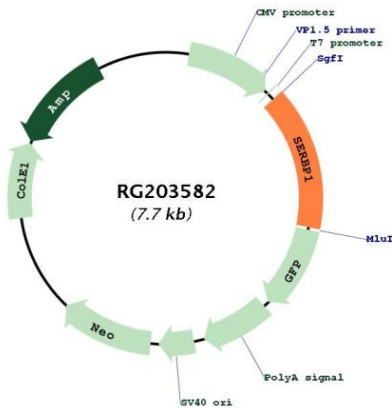
**UniProt ID:** [Q8NC51](#)

**Cytogenetics:** 1p31.3

**Domains:** HABP4\_PAI-RBP1

**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 (PubMed:28695742).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG203582