

Product datasheet for **RG212422**

SERBP1 (NM_001018069) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERBP1 (NM_001018069) 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:	>RG212422 representing NM_001018069 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGCACTTACAGGAAGGCTTCGGCTGCGTGGTACCAACCGATTGACCAAGTTATTTGACGACG
AATCGGACCCCTTCGAGGTGCTGAAGGCAGCAGAGAACAAGAAAAAGAGCCGGCGGGGGCGCGTTGG
GGGCCCTGGGGCCAAGAGCGCAGCTCAGGCCGGCCAGACCAACTCCAACGGCGCAGGCAAACAGCTG
CGCAAGGAGTCCCAGAAAGACCGCAAGAACCCTGCCCCCAGCGTTGGCGTGGTTGACAAGAAAGAGG
AGACGCAGCCGCCGTGGCGCTTAAGAAAGAAGGAATAAGACGAGTTGGAAGAAGACCTGATCAACAACT
TCAGGGTGAAGGAAAATAATTGATAGAAGACCAGAAAGGCGACCACCTCGTGAACGAAGATTGAAAAAG
CCAATTGAAGAAAAGGTGAAGGAGGCGAATTTTCAGTTGATAGACCGATTATTGACCGACCTATTTCGAG
GTCGTGGTGGTCTTGAAGAGGTGAGGGGGCCGTGGACGTGGAATGGGCCGAGGAGATGGATTTGATTC
TCGTGGCAAACGTGAATTTGATAGGCATAGTGAAGTGATAGATCTTCTTTTTCACATTACAGTGGCCTG
AAGCAGGAGGACAAACGTGGAGGTAGCGGATCTCACAACGGGAACTGTCAAAGACGAATTAACCTGACT
TGGATCAATCAAATGTGACTGAGGAAACACCTGAAGGTGAAGAACATCATCCAGTGGCAGACACTGAAAA
TAAGGAGAATGAAGTTGAAGAGGTAAAAGAGGAGGGTCCAAAAGAGATGACTTTGGATGAGTGAAGGCT
ATTCAAAATAAGGACCGGCAAAAGTGAATTTAATATCCGAAACCAAATGAAGGTGCTGATGGGCAGT
GGAAGAAGGGATTTGTTCTTCATAAATCAAAGAGTGAAGAGGCTCATGCTGAAGATTGCGTTATGGACCA
TCAATTTCCGGAAGCCAGCAAATGATATAACGTCTCAGCTGGAGATCAATTTGGAGACCTTGGCCGCCCA
GGACGTGGCGGCAGGGGAGGACGAGGTGGACGTGGGCGTGGTGGGCGCCCAAACCGTGGCAGCAGGACCG
ACAAGTCAAGTGCTTCTGCTCCTGATGTGGATGACCCAGAGGCATTCCAGCTCTGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212422 representing NM_001018069
 Red=Cloning site Green=Tags(s)

MPGHLQEGFGCVVTNRFQQLFDDESDPFEVLKAAENKKKEAGGGVGGPGAKSAAQAAAQTSNAAGKQL
 RKESQKDRKNLPPSVGVVDKKEETQPPVALKKEGIRRVGRRPDQQLQEGEKIIDRRPERRPPRRRFEK
 PLEEKGEGERFSVDRPIIDRPIRGRGGLGRGRGRGMGRGDGFD SRGKREFDRHSGSDRSSFSHYSGL
 KHEDKRGSGSHNWGTVKDELTDLDQSNVTEETPEGEEHHPVADTENKENEVEEVKEEGPKEMTLDEWKA
 IQNKDRAKVEFNIRKPNEGADGQWKGFVLHKSKEEAHAEDSMDHHRKRPANDITSQLLEINFGDLGRP
 GRGGRGRGRGRGRPNRGRSRTDKSSASAPDVEDDPEAFPALA

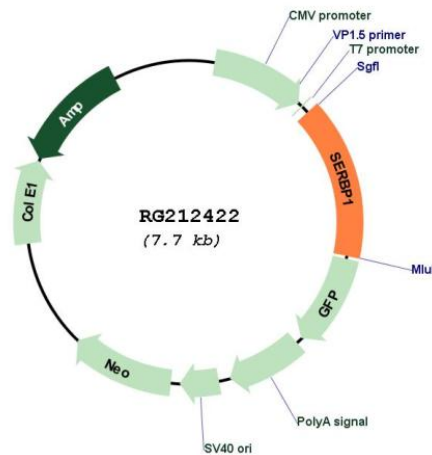
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001018069

ORF Size:	1179 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:	<ol style="list-style-type: none">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_001018069.2
RefSeq Size:	6719 bp
RefSeq ORF:	1182 bp
Locus ID:	26135
UniProt ID:	Q8NC51
Cytogenetics:	1p31.3
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]