

Product datasheet for **RG201947**

SSBP2 (NM_012446) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSBP2 (NM_012446) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSBP2
Synonyms:	HSPC116; SOSS-B2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201947 representing NM_012446 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACGGCAAAGGCAAGAGTAACAGCAGCGCCGTCCCGTCCGACAGCCAGGCCCGGGAGAAGTTAGCAC
TCTACGTATATGAATATCTGCTCCATGTAGGAGCTCAGAAATCAGCTCAAACATTTTTATCAGAGATAAG
ATGGGAAAAAACATCACATTGGGGGAACCACCAGGATTCCTACATTCTGGTGGTGTGATTTTGGGAT
CTCTACTGTGCAGCTCCAGAGAGACGTGAAACATGTGAACACTCAAGTGAAGCAAAGCCTTCCATGATT
ACAGTGTGCAGCAGCTCCAGTCCAGTCTAGGAAACATTCCTCCAGGAGATGGCATGCCAGTAGGTCC
TGTACCACCAGGGTTCTTTCAGCCTTTTATGTCACCTCGGTACCTGGAGGTCCAAGGCCCCATTGAGG
ATACCTAATCAGGCACCTGGAGGTGTCCAGGAAGTCAGCCATTACTCCCAAGTGAATGGATCCAACCT
GACAACAAGGACATCAAATATGGGTGGGCAATGCAGAGAATGACTCCTCCAAGAGGAATGGTGCCTT
AGGACCACAGAATATGGAGGTGCAATGAGACCCCACTGAATGCTTTAGGTGGCCCTGGAATGCCTGGA
ATGAACATGGGTCCAGGTGGTGGTAGACCTGGCCAAACCAACAATGCCAATTAATACCATACTCT
CAGCATCTCTGGGAATTATGTAGTCTCCAGGAGGTGGAGGCCACCAGGAACACCCATCATGCCTAG
TCCAGCAGATTAACCAACTCTGGTGATAACATGTATACTTTAATGAATGCAGTACCTCTGGACCTAAC
AGACCTAATTTTCCAATGGTCTGGTCCAGTGGTGGATTAGGAGGAATGGAGTCACATC
ACATGAATGGCTCTTAGGCTCAGGAGATATGGACAGTATTTCCAAGAATTCTCCAATAATATGAGCCT
GAGTAATCAACCGGCACTCCAAGGATGATGGCGAAATGGGGGAAATTTCTTAATCCTTTTCAGAGT
GAGAGTTACTCCCTAGCATGACAATGAGCGTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201947 representing NM_012446
 Red=Cloning site Green=Tags(s)

MYGKGKSNSSAVPSDSQAREKLALYVVEYLLHVGAQKSAQTFLSEIRWEKNITLGEPPGFLHSSWCVFWD
 LYCAAPERRETCEHSSEAKAFHDYSAAAPSPVLGNIPPGDGMPVGPVPPGFFQPFMSPRYPGGPRPPLR
 IPNQALGGVPGSQPLLP SGM DPT RQQGHPNMGGPMQRMTPPRGMVPLGPQNYGGAMRPLNALGGPGMPG
 MNMGPGGGRRPWPNTNANSIPYSSASPGNYVGGPPGGGGPPGTPIMPSPADSTNSGDNMYTLMNAVPPGPN
 RPNFPMGPGSDGPMGGLGGMESHMNGSLSGSDMDSISKNSPNNMSLSNQPGTPRDDGEMGGNFLNPFQS
 ESYSPSMTMSV

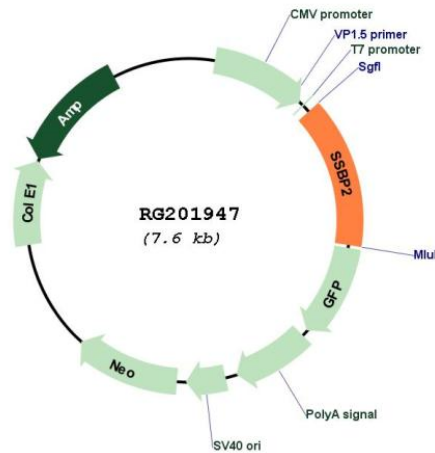
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012446

ORF Size:	1083 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_012446.4
RefSeq Size:	1948 bp
RefSeq ORF:	1086 bp
Locus ID:	23635
UniProt ID:	P81877
Cytogenetics:	5q14.1
Domains:	LisH, SSDP
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a subunit of a protein complex that interacts with single-stranded DNA and is involved in the DNA damage response and maintenance of genome stability. The encoded protein may also play a role in telomere repair. A variant of this gene may be associated with survival in human glioblastoma patients. [provided by RefSeq, Sep 2016]