

Product datasheet for **RG233897**

SSBP2 (NM_001256732) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSBP2 (NM_001256732) 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:	>RG233897 representing NM_001256732 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTACGGCAAAGGCAAGAGTAACAGCAGCGCCGTCCCGTCCGACAGCCAGGCCCGGGAGAAGTTAGCAC
 TCTACGTATATGAATATCTGCTCCATGTAGGAGCTCAGAAATCAGCTCAAACATTTTATCAGAGATAAG
 ATGGGAAAAAACATCACATTGGGGGAACCACCAGGATTCTTACATTCTTGGTGGTGTGTATTTGGGAT
 CTCTACTGTGCAGCTCCAGAGAGACGTGAAACATGTGAACACTCAAGTGAAGCAAAGCCTTCCATGATT
 ACAGTGTGCAGCAGCTCCAGTCCAGTGCTAGGAAACATTCCCCAGGAGATGGCATGCCAGTAGGTCC
 TGTACCACCAGGGTTCTTTCAGCCTTTTATGTCACCTCGGTACCCTGGAGGTCCAAGGCCCCATTGAGG
 ATACCTAATCAGGCACTTGGAGGTGTCCCAGGAAGTCAGCCATTACTCCCCAGTGAATGGATCCAACCTC
 GACAACAAGGACATCCAATATGGGTGGGCAATGCAGAGAATGACTCCTCCAAGAGGAATGGTGCCTT
 AGGACCACAGTCTGACCTTGGTTATCATTACAGAACTATGGAGGTGCAATGAGACCCCACTGAATGCT
 TTAGGTGGCCCTGGAATGCCTGGAATGAACATGGGTCCAGGTGGTGGTAGACCTTGGCCAAACCAACAA
 ATGCCAATTCAATACCATACTCCTCAGCATCTCCTGGGAATTATGTAGGTCTCCAGGAGGTGGAGGGCC
 ACCAGGAACACCCATCATGCCTAGTCCAGCAGATTCAACCAACTCTGGTGATAACATGTATACTTTAATG
 AATGCAGTACCTCTGGACCTAACAGACCTAATTTTCCAATGGGTCTGGGTGAGATGGTCCCATGGGTG
 GATTAGGAGGAATGGAGTCACATCACATGAATGGCTCTTTAGGCTCAGGAGATATGGACAGTATTTCCAA
 GAATTCTCCCAATAATATGAGCCTGAGTAATCAACCGGGCACTCAAGGGATGATGGCGAAATGGGGGA
 AATTTCTTAAATCCTTTTCAGAGTGAGAGTTACTCCCCTAGCATGACAATGAGCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG233897 representing NM_001256732
 Red=Cloning site Green=Tags(s)

MYGKGKSNSSAVPSDSQAREKLALYVVEYLLHVGAQKSAQTFLSEIRWEKNITLGEPPGFLHSWWCVFWD
 LYCAAPERRETCEHSSEAKAFHDYSA AAPSPVLGNIPPGDMPVGPVPPGFFQPFMSPRYPGGPRPPLR
 IPNQALGGVPGSQPLLP SGMDPTRQQGHPNMGGPMQRMTPPRGMVPLGPQSDPWL SLQNYGGAMRPPLNA
 LGGPGMPGMNMGPGGGRPWPNPTNANSIPYSSASPGNYVGPPGGGGPPGTPIMPSPADSTNSGDNMYTLM
 NAVPPGPNRPNFPMGPGSDGPMGGLGMESHMNGSLGSGMDMSISKNSPNNMSLSNQPGTPRDDGEMGG
 NFLNPFQSESYSPTSMTMSV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256732

ORF Size: 1107 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_001256732.2](#)

RefSeq Size: 4465 bp

RefSeq ORF: 1110 bp

Locus ID: 23635

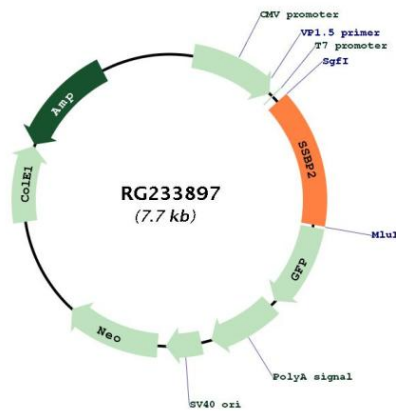
UniProt ID: [P81877](#)

Cytogenetics: 5q14.1

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]

Product images:



Circular map for RG233897