

Product datasheet for RC233790

SSBP2 (NM_001256735) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SSBP2 (NM_001256735) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SSBP2
Synonyms: HSPC116; SOSS-B2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233790 representing NM_001256735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACGGCAAAGGCAAGAGTAACAGCAGCGCCGTCCCGTCCGACAGCCAGGCCCGGAGAAGTTAGCAC
 TCTACGTATATGAATATCTGCTCCATGTAGGAGCTCAGAAATCAGCTCAAACATTTTTATCAGAGATAAG
 ATGGGAAAAAACATCACATTGGGGGAACCACCAGGATCTTACATTCTGGTGGTGTGATTTGGGAT
 CTCTACTGTGCAGCTCCAGAGAGACGTGAAACATGTGAACACTCAAGTGAAGCAAAGCCTTCCATGATT
 ACCTTTTATGTCACCTCGGTACCCTGGAGGTCCAAGGCCCCATTGAGGATACCTAATCAGGCCTTGG
 AGGTGTCCAGGAAGTCAGCCATTACTCCCCAGTGAATGGATCCAACCTCGACAACAAGGACATCCAAT
 ATGGGTGGGCAATGCAGAGAATGACTCCTCCAAGAGGAATGGTGCCTTAGGACCACAGAACTATGGAG
 GTGCAATGAGACCCCACTGAATGCTTTAGGTGGCCCTGGAATGCCTGGAATGAACATGGGTCCAGGTGG
 TGGTAGACCTTGGCCAAACCAACAAATGCCAATCAATACCACTCCTCAGCATCTCCTGGGAATTAT
 GTAGGTCTCCAGGAGGTGGAGGGCCACCAGGAACACCCATCATGCCTAGTCCAGCAGATTCAACCAACT
 CTGGTGATAACATGTATACTTTAATGAATGCAGTACCTCCTGGACCTAACAGACCTAATTTTCCAATGGG
 TCCTGGGTGAGATGGTCCCATGGGTGGATTAGGAGGAATGGAGTCACATCACATGAATGGCTCTTTAGGC
 TCAGGAGATATGGACAGTATTTCCAAGAATCTCCAATAATATGAGCCTGAGTAATCAACCGGGCACTC
 CAAGGGATGATGGCGAAATGGGGGAAATTTCTTAAATCCTTTTCAGAGTGAGAGTTACTCCCCTAGCAT
 GACAATGAGCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233790 representing NM_001256735
Red=Cloning site Green=Tags(s)

MYGK GKSNSSAVPSDSQAREKLALYVVEYLLHVGAQKSAQTFLSEIRWEKNITLGEPPGFLHSWVCVFD
 LYCAAPERRETCEHSSEAKAFHDYPFMSPRYPGGPRPPLRIPNQALGGVPGSQPLLP SGMDPTRQQGHPN
 MGGPMQRMTPPRGMVPLGPQNYGGAMRPLNALGGPGMGMNMGPGGGRPWPNPTNANSIPYSSASPGNY
 VGPPGGGGPPGTPIMPSPADSTNSGDNMYTLMNAVPPGPNRPNFPMGPGSDGPMGGLGGMESHMNGSLG
 SGMDSISKNSPNNMSLSNQPGTPRDDGEMGGNLFNPFQSESYSPSMTMSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001256735

ORF Size: 993 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_001256735.2](#)

RefSeq Size: 4351 bp

RefSeq ORF: 996 bp

Locus ID: 23635

UniProt ID: [P81877](#)

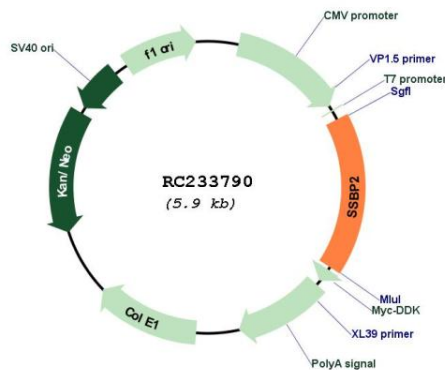
Cytogenetics: 5q14.1

Protein Families: Transcription Factors

MW: 35.5 kDa

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 RC233790