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Product datasheet for RC233897

SSBP2 (NM_001256732) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSBP2 (NM_001256732) 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:

>RC233897 representing NM_001256732
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACGGCAAAGGCAAGAGTAACAGCAGCGCCGTCCCGTCCGACAGCCAGGCCCGGGAGAAGTTAGCAC
TCTACGTATATGAATATCTGCTCCATGTAGGAGCTCAGAAATCAGCTCAAACATTTTTATCAGAGATAAG
ATGGGAAAAAAACATCACATTGGGGGAACCACCAGGATTCTTACATTCTTGGTGGTGTGTATTTTGGGAT
CTCTACTGTGCAGCTCCAGAGAGACGTGAAACATGTGAACACTCAAGTGAAGCAAAAGCCTTCCATGATT
ACAGTGCTGCAGCAGCTCCCAGTCCAGTGCTAGGAAACATTCCCCCAGGAGATGGCATGCCAGTAGGTCC
TGTACCACCAGGGTTCTTTCAGCCTTTTATGTCACCTCGGTACCCTGGAGGTCCAAGGCCCCCATTGAGG
ATACCTAATCAGGCACTTGGAGGTGTCCCAGGAAGTCAGCCATTACTCCCCAGTGGAATGGATCCAACTC
GACAACAAGGACATCCAAATATGGGTGGGCCAATGCAGAGAATGACTCCTCCAAGAGGAATGGTGCCCTT
AGGACCACAGTCTGACCCTTGGTTATCATTACAGAACTATGGAGGTGCAATGAGACCCCCACTGAATGCT
TTAGGTGGCCCTGGAATGCCTGGAATGAACATGGGTCCAGGTGGTGGTAGACCTTGGCCAAACCCAACAA
ATGCCAATTCAATACCATACTCCTCAGCATCTCCTGGGAATTATGTAGGTCCTCCAGGAGGTGGAGGGCC
ACCAGGAACACCCATCATGCCTAGTCCAGCAGATTCAACCAACTCTGGTGATAACATGTATACTTTAATG
AATGCAGTACCTCCTGGACCTAACAGACCTAATTTTCCAATGGGTCCTGGGTCAGATGGTCCCATGGGTG
GATTAGGAGGAATGGAGTCACATCACATGAATGGCTCTTTAGGCTCAGGAGATATGGACAGTATTTCCAA
GAATTCTCCCAATAATATGAGCCTGAGTAATCAACCGGGCACTCCAAGGGATGATGGCGAAATGGGGGGA
AATTTCTTAAATCCTTTTCAGAGTGAGAGTTACTCCCCTAGCATGACAATGAGCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

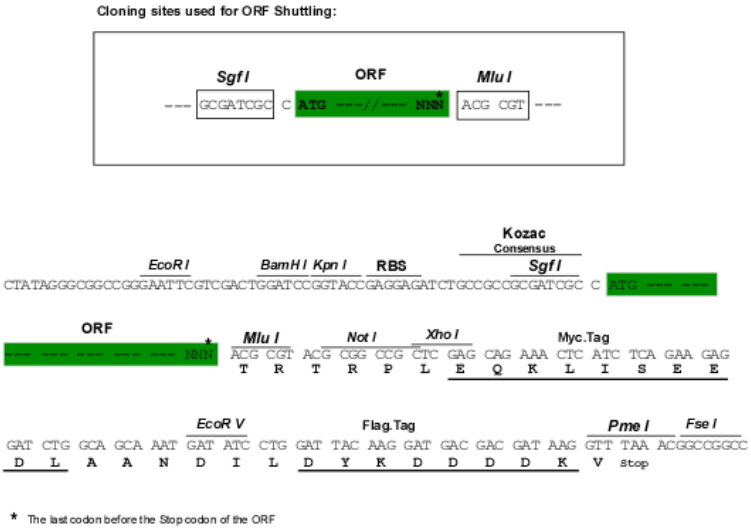
>RC233897 representing NM_001256732
Red=Cloning site Green=Tags(s)

MYGKGKSNSSAVPSDSQAREKLALYVYEYLLHVGAQKSAQTFLSEIRWEKNITLGEPPGFLHSWWCVFWD
LYCAAPERRETCEHSSEAKAFHDYSAAAAPSPVLGNIPPGDGMPVGPVPPGFFQPFMSPRYPGGPRPPLR
IPNQALGGVPGSQPLLPSGMDPTRQQGHPNMGGPMQRMTPPRGMVPLGPQSDPWLSLQNYGGAMRPPLNA
LGGPGMPGMNMGPGGGRPWPNPTNANSIPYSSASPGNYVGPPGGGGPPGTPIMPSPADSTNSGDNMYTLM
NAVPPGPNRPNFPMGPGSDGPMGGLGGMESHHMNGSLGSGDMDSISKNSPNNMSLSNQPGTPRDDGEMGG
NFLNPFQSESYSPSMTMSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

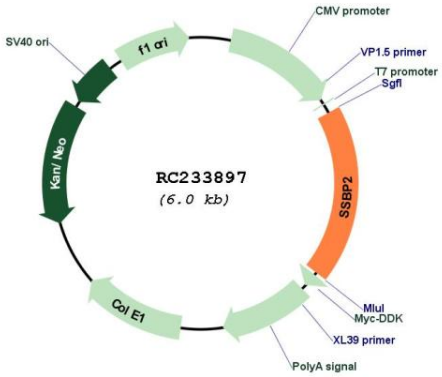
Cytogenetics: 5q14.1

Protein Families: Transcription Factors

MW: 39.2 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 RC233897