

Product datasheet for **SC128178**

SSBP2 (NM_012446) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSBP2 (NM_012446) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSBP2
Synonyms:	HSPC116; SOSS-B2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012446, the custom clone sequence may differ by one or more nucleotides

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ATGTACGGCAAAGGCAAGAGTAACAGCAGCGCCGTCCCGTCCGACAGCCAGGCCCGGGAGAAGTTAGCAC
TCTACGTATATGAATATCTGCTCCATGTAGGAGCTCAGAAATCAGCTCAAACATTTTTATCAGAGATAAG
ATGGGAAAAAACATCACATTGGGGGAACCACCAGGATTCTTACATTCTTGGTGGTGTGTATTTGGGAT
CTCTACTGTGCAGCTCCAGAGAGACGTGAAACATGTGAACACTCAAGTGAAGCAAAGCCTTCCATGATT
ACAGTGTGCAGCAGCTCCAGTCCAGTGTAGGAAACATTCCCCAGGAGATGGCATGCCAGTAGGTCC
TGTACCACCAGGGTTCTTTCAGCCTTTTATGTCACCTCGGTACCCTGGAGGTCCAAGGCCCCATTGAGG
ATACCTAATCAGGCACTTGGAGGTGTCCAGGAAGTCAGCCATTACTCCCAGTGAATGGATCCAATC
GACAACAAGGACATCCAAATATGGGTGGCCAATGCAGAGAATGACTCCTCCAAGAGGAATGGTGCCCTT
AGGACCACAGAATATGGAGGTGCAATGAGACCCCACTGAATGCTTTAGGTGGCCTGGAATGCCTGGA
ATGAACATGGGTCCAGGTGGTGGTAGACCTTGGCCAAACCAACAAATGCCAATTCATACCATACTCCT
CAGCATCTCCTGGGAATTATGTAGGTCTCCAGGAGGTGGAGGGCCACCAGGAACACCCATCATGCCATG
TCCAGCAGATTCAACCAACTCTGGTGATAACATGTATACTTTAATGAATGCAGTACCTCTGGACCTAAC
AGACCTAATTTCCAATGGGTCTGGTCCAGATGGTCCCAGGATGGGATAGGAGGAATGGAGTCACATC
ACATGAATGGCTCTTTAGGCTCAGGAGATATGGACAGTATTTCCAAGAATCTCCAATAATATGAGCCT
GAGTAATCAACCGGCACTCCAAGGGATGATGGCGAAATGGGGGAAATTTCTTAATCCTTTTCAGAGT
GAGAGTTACTCCCCTAGCATGACAATGAGCGTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012446 unedited
 AAAGGTTACCATTTGTAAACCACTTATATAGGCGGCCGCGNAATTCGCACCAGGCGGCCA
 ATAGTGGGGTGGCTGCGTGGGTCCGATGGGGACGGGGCTGTTCCCGGGGAGGCTGTGA
 TGGGTTGACAGGTGCGTGACAGTGGGAGCTGCTCTCGGCACAAGCATGTACGGCAAAGGC
 AAGAGTAACAGCAGCGCCGTCCCGTCCGACATCCAGGCCCGGAGAAGTTAGCACTCTAC
 GTATATGAATATCTGCTCCATGTAGGAGCTCAGAAATCAGCTCAAACATTTTTATCAGAG
 ATAAGATGGGAAAAAACATCACATTGGGGGAACCACCAGGATTCTTACATTCTTGGTGG
 TGTGTATTTGGGATCTCTACTGTGCAGCTCCAGAGAGACGTGAAACATGTGAACACTCA
 AGTGAAGCAAAAGCCTTCCATGATTACAGTGCTGCAGCAGCTCCCAAGTCCAGTGCTAGGA
 AACATTCACCCAGGAGATGGCATGCCAGTAGGTCTGTACCACCAGGGTCTTTTCAGCCT
 TTTATGTCACCTCGGTACCCTGGAGGTCCAAGGCCCCATTGAGGATACCTAATCANGCA
 CTTGGAGGTGTCANGAAGTCAGCCATTACTCCCAAGTGAATGGATCCAACCTCGACAA
 CAGGACATCCAAATATGGGTGGGCAATGCAGAGAATGACTCCCTCCAGAGAATGGTGCC
 CNTTAGACACAGAATATGGAGGTGCAATNGAGACCCCACTGAATGCTTTTAGTGGCCCC
 TGATGCCCTGAATGAACATGGGTCCCAGTGGTGGNTAGACCTTGCCCAANACCCACAAT
 GCCNATTCATACCATAACNTCTCAGCATCTCCTGGGAATTATGTATTTCAATGGGT

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_012446 unedited
 TGCTTAGGAACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTAATGAAA
 GCTCTCAAATAAGCGATTTTATTCTATCCATGATTGCAGACATTTACAAAACCATAACA
 TCTGAGTTCACCTAAAAAATAACTTATATAAAGCAGTGATATACACAGCACAAAATAGT
 TCAGGGAGGGGGCAGGAGCAACTTGTAAATAATTAATGTAACGTGAAAAAAGGATGG
 AATAAAAGTCCCTACTTATTTCTACTTAAGATGCATGTGATAATTTTACAATGCCT
 GTGGGTCAATGTATGTATGTATATGTCTGTATAACATACACATATACAGTACATTCTC
 TTTCCACACATATACATACACACATAATTATTTGCAGTTCAGTTTAGGGCAATTCTAAT
 ATGCCACTCCGTACAGTTGTTTGAATCACATTTGGACCCGCTTTCTTACAAAAGAGGGG
 AGAGAGCAGGAAATAAAAAGGTTGGTTTGGTGTGACTGAGATTCTTTGTTAACTGTAC
 ACTGTGATGAATAATTTTCTCCGTAGTAGTCTGTGAAGGGCTGACTCACTGTGGTTTT
 CATGAGGAGACTTGGTAATGGATCACACGCTCATTGTGATGCTAGGGGAGTACTTGGAAA
 TACTGTCCATATCTCCTGAGCCTAAAGAGCCATTATGTGATGTGACTCCATTCTCCTA
 ATCCACCCATGGGACCCTGACCCAGGACCCATTGAAATACATAATTCCCAGGAGATG
 CTGAGGAGTATGGTATTGAATTGGCATTGTTGGGTTTGCCAA

Restriction Sites:

NotI-NotI

ACCN:

NM_012446

Insert Size:

1700 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_012446.2 , NP_036578.2
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:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>