

## Product datasheet for SC330442

### SSBP1 (NM\_001256511) Human Untagged Clone

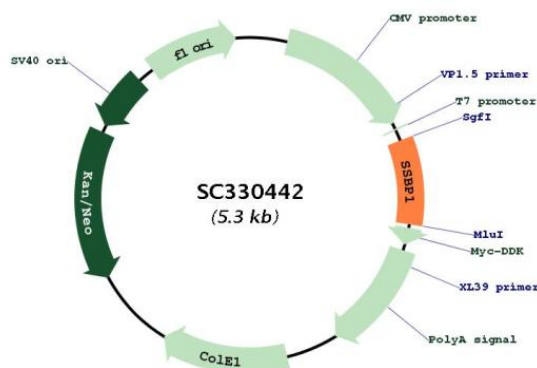
#### Product data:

Product Type:	Expression Plasmids
Product Name:	SSBP1 (NM_001256511) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSBP1
Synonyms:	Mt-SSB; mtSSB; SOSS-B1; SSBP
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330442 representing NM_001256511. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTTTCGAAGACCTGTATTACAGGTA CTTTCGTCAGTTTGT AAGACATGAGTCCGAAACA CTACCAGT
TTGGTTCTTGAAAGATCCCTGAATCGTGTGCACCTACTTGGGCGAGTGGGT CAGGACCCTGTCTTGAGA
CAGGTGGAAGGAAAAATCCAGTCACAATATTTTCTCTAGCAACTAATGAGATGTGGCGATCAGGGGAT
AGTGAAGTTTACCAACTGGGTGATGT CAGTCAAAGACAACATGGCACAGAATATCAGTATTCGGCCA
GGCCTCAGAGACGTGGCATATCAATATGTGAAAAAGGGTCTCGAATTTATTTGGAAGGGAAAAATAGAC
TATGGTGAATACATGGATAAAAAATAATGTGAGGCGACAAGCAACAACAATCATAGCTGATAATATTATA
TTTCTGAGTGACCAGACGAAAGAGAAGGAGTAG
```

Restriction Sites: SgfI-MluI

Plasmid Map:



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<b>ACCN:</b>	NM_001256511
<b>Insert Size:</b>	447 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256511.1</a>
<b>RefSeq Size:</b>	897 bp
<b>RefSeq ORF:</b>	447 bp
<b>Locus ID:</b>	6742
<b>UniProt ID:</b>	<a href="#">Q04837</a>
<b>Cytogenetics:</b>	7q34
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	DNA replication, Homologous recombination, Mismatch repair
<b>MW:</b>	17.3 kDa
<b>Gene Summary:</b>	<p>SSBP1 is a housekeeping gene involved in mitochondrial biogenesis (Tiranti et al., 1995 [PubMed 7789991]). It is also a subunit of a single-stranded DNA (ssDNA)-binding complex involved in the maintenance of genome stability (Huang et al., 2009) [PubMed 19683501]. [supplied by OMIM, Feb 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 through 5 encode the same protein.</p>