

## Product datasheet for **SC324522**

### SSB (NM\_003142) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SSB (NM_003142) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSB
Synonyms:	La; La/SSB; LARP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_003142.3  
 GGAGCGCTTTAGGCTGGCCGGCGCGCTGGGAGGTGGAGTCGTTGCTGTTGCTGTTTGTG  
 AGCCTGTGGCGCGGCTTCTGTGGGCCGGAACCTTAAAGATAGCCGCAATGGCTGAAAATG  
 GTGATAATGAAAAGATGGCTGCCTGGAGGCCAAAATCTGTCATCAAATTGAGTATTATT  
 TTGGCGACTTCAATTTGCCACGGGACAAGTTTCTAAAGGAACAGATAAACTGGATGAAG  
 GCTGGGTACCTTTGGAGATAATGATAAAATCAACAGGTTGAACCGTCTAACACAGACT  
 TTAATGTAAATTGTGGAAGCATTGAGCAAATCCAAGGCAGAACTCATGGAATCAGTGAAG  
 ATAAAATAAAATCAGAAGGTCTCCAAGCAAACCCCTACCTGAAGTGACTGATGAGTATA  
 AAAATGATGTAAAAAACAGATCTGTTTATATTAAGGCTTCCCAACTGATGCAACTCTTG  
 ATGACATAAAAAGAAATGGTTAGAAGATAAAGGTCAAGTACTAAATATTCAGATGAGAAGAA  
 CATTGCATAAAGCATTAAAGGGATCAATTTTGTGTGTTTATGATGATTGAATCTGCTA  
 AGAAATTTGTAGAGACCCCTGGCCAGAAGTACAAAGAAACAGACCTGCTAATACTTTTCA  
 AGGACGATTACTTTGCCAAAAAAATGAAGAAAGAAAACAAAATAAAGTGGAAAGCTAAAT  
 TAAGAGCTAAACAGGAGCAAGAAGCAAAACAAAAGTTAGAAGAAGATGCTGAAATGAAAT  
 CTCTAGAAGAAAAGATTGGATGCTTGTGAAATTTTCGGGTGATTTAGATGATCAGACCT  
 GTAGAGAAGATTTACACATACTTTCTCAAATCATGGTGAATAAAATGGATAGACTTCC  
 TCAGAGGAGCAAAAGAGGGGATAATTCTATTTAAAGAAAAGCCAAAGGAAGCATTGGGTA  
 AAGCCAAAGATGCAATAATGGTAACCTACAATTAAGGAACAAAGAAGTGACTTGGGAAG  
 TACTAGAAGGAGAGGTGGAAAAAGAAGCACTGAAGAAAATAATAGAAGACCAACAAGAAT  
 CCCTAAACAAATGGAAGTCAAAAGGTCGTAGATTTAAAGGAAAAGGAAAGGTAATAAAG  
 CTGCCAGCCTGGGTCTGGTAAAGGAAAAGTACAGTTTCAGGGCAAGAAAACGAAATTTG  
 CTAGTGATGATGAACATGATGAACATGATGAAAATGGTGAACCTGGACCTGTGAAAAGAG  
 CAAGAGAAGAAACAGACAAAGAAGAACCTGCATCCAACAACAGAAAACAGAAAATGGTG  
 CTGGAGACCAGTAGTTTAGTAAACCAATTTTTTATCATTTTAAATAGGTTTTAAACGAC  
 TTTTGTGTCGGGGCTTTTAAAGGAAAACCGAATTAGGTCCACTTCAATGTCCACCTGT  
 GAGAAAGGAAAAATTTTTTGTGTTTAACTTGTCTTTTTGTTATGCAATGAGATTTCT  
 TTGAATGTATTGTTCTGTTTGTGTTATTTTCAAGATGATTCAAATATCAAAAGGAAGATTCT  
 TCCATTAATGCCTTTGTAATATGAGAATGTATTAGTACAACTAACTAATAAAATATA  
 TACTATATGAAAAGAGCAAAAACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003142

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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_003142.3</a> , <a href="#">NP_003133.1</a>
<b>RefSeq Size:</b>	1673 bp
<b>RefSeq ORF:</b>	1227 bp
<b>Locus ID:</b>	6741
<b>UniProt ID:</b>	<a href="#">P05455</a>
<b>Cytogenetics:</b>	2q31.1
<b>Domains:</b>	RRM, LA
<b>Protein Families:</b>	Stem cell - Pluripotency, Transcription Factors
<b>Protein Pathways:</b>	Systemic lupus erythematosus
<b>Gene Summary:</b>	<p>The protein encoded by this gene is involved in diverse aspects of RNA metabolism, including binding and protecting poly(U) termini of nascent RNA polymerase III transcripts from exonuclease digestion, processing 5' and 3' ends of pre-tRNA precursors, acting as an RNA chaperone, and binding viral RNAs associated with hepatitis C virus. Autoantibodies reacting with this protein are found in the sera of patients with Sjogren syndrome and systemic lupus erythematosus. Alternative promoter usage results in two different transcript variants which encode the same protein. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (1) and variant 2 encode the same protein.</p>