

Product datasheet for **SC316315**

SSB (NM_003142) Human Untagged Clone

Product data:

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| 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: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_003142 edited
 CGTTGCTGTTGCTGTTTGTGAGCCTGTGGCGCGCTTCTGTGGGCCGGAACCTTAAAGAT
 AGCCGCAATGGCTGAAAAATGGTGATAATGAAAAGATGGCTGCCCTGGAGGCCAAAATCTG
 TCATCAAATTGAGTATTTTGGCGACTTCAATTTGCCACGGGACAAGTTTCTAAAGGA
 ACAGATAAAACTGGATGAAGGCTGGGTACCTTTGGAGATAATGATAAAAATCAACAGGTT
 GAACCGCTAACAAACAGACTTTAATGTAATTGTGGAAGCATTGAGCAAATCCAAGGCAGA
 ACTCATGGAAATCAGTGAAGATAAAACTAAAACAGAAGGTCTCCAAGCAAACCCCTACC
 TGAAGTGACTGATGAGTATAAAAATGATGTA AAAAACAGATCTGTTTATATTAAGGCTT
 CCCAACTGATGCAACTCTTGATGACATAAAAAGAATGGTTAGAAGATAAAGGTCAAGTACT
 AAATATTCAGATGAGAAGAACATTGCATAAAGCATTAAAGGGATCAATTTTTGTTGTGTT
 TGATAGCATTGAATCTGCTAAGAAATTTGTAGAGACCCCTGGCCAGAAGTACAAAGAAAC
 AGACCTGCTAATACTTTTCAAGGACGATTACTTTGCCAAAAAAAATGAAGAAAGAAAAACA
 AAATAAAGTGGAAGCTAAATTAAGAGCTAACAGGAGCAAGAAGCAAACAAAAGTTAGA
 AGAAGATGCTGAAATGAAATCTCTAGAAGAAAAGATTGGATGCTTGCTGAAATTTTCGGG
 TGATTTAGATGATCAGACCTGTAGAGAAGATTTACACATACTTTTCTCAAATCATGGTGA
 AATAAAAATGGATAGACTTCGTACAGAGGAGCAAAAGAGGGGATAATTCTATTTAAAGAAAA
 AGCCAAGGAAGCATTGGGTAAAGCCAAAGATGCAATAATGGTAACCTACAATTAAAGAA
 CAAAGAAGTGACTTGGGAAGTACTAGAAGGAGAGGTGAAAAAGAAGCACTGAAGAAAAAT
 AATAGAAGACCAACAAGAATCCCTAAACAAATGGAAGTCAAAGGTCGTAGATTTAAAGG
 AAAAGGAAAGGGTAATAAAGCTGCCAGCCTGGGTCTGGTAAAGGAAAAGTACAGTTTCA
 GGGCAAGAAAACGAAATTTGCTAGTGATGATGAACATGATGAACATGATGAAAATGGTGC
 AACTGGACCTGTGAAAAGAGCAAGAGAAGAAACAGACAAAAGAAGAACCTGCATCCAAACA
 ACAGAAAAACAGAAAATGGTGTCTGGAGACCAGTGTAGTAAACCAATYTTTTTATTCATT
 TTAATAAGGTTTTAAACGACTTTTTGTTTTGCGGGGCTTTTTAAAGGAAAACCGAATTAGGT
 CCACTTCAATGTCCACCTGTGAGAAAGGAAAAATTTTTTTGTTGTTAACTTGTCTTTTT
 GTTATGCAAAATGAGATTTCTTTGAATGTATTGTTCTGTTTGTGTTATTTTCAGATGATTCA
 AATATCAAAGGAAGATTCTTCCATTAATTTGCCTTTGTAAATGAGAATGTATTAGTAC
 AAATACTAATAAAAATATACTATATGAAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003142 unedited
 TAATACGACTCACTATAGGGCGGCGGACATTCGCACGAGGCGTTGCTGTTGCTGTTTG
 TGAGCCTGTGGCGCGGCTTCTGTGGGCCGGAACCTTAAAGATAGCCGCAATGGCTGAAAA
 TGGTGATAATGAAAAGATGGCTGCCCTGGAGGCCAAAATCTGTCAATCAAAATTGAGTATTA
 TTTTGGCGACTTCAATTTGCCACGGGACAAGTTTCTAAAGGAACAGATAAAACTGGATGA
 AGGCTGGGTACCTTTGGAGATAATGATAAAAATCAACAGGTTGAACCGTCTAACCAACAGA
 CTTTAATGTAATTGTGGAAGCATTGAGCAAATCCAAGGCAGAATCATGGAAATCAGTGA
 AGATAAAACTAAAATCAGAAGGTCTCCAAGCAAACCCCTACCTGAAGTGACTGATGAGTA
 TAAAAATGATGTA AAAAACAGATCTGTTTATATTAAGGCTTCCCAACTGATGCAACTCT
 TGATGACATAAAAAGAATGGTTAGAAGATAAAGGTCAAGTACTAAATATTCAGATGAGAAG
 AACATTGCATAAAGCATTAAAGGGATCAATTTTTGTTGTGTTTGTAGCATTGAATCTGC
 TAAGAAATTTGTAGAGACCCCTGGCCAGAAGTACAAAGAAACAGACCTGCTAATACTTTT
 CAAGGACGATTACTTTGCCAAAAAAAATGAAGAAAGAAAACAAAATAAAGTGGAAGCTAA
 ATTAAGAGCTAACAGGAGCAAGAAGCAAACAAAGTTAGAAGAGATGCTGAAATGAAAT
 CTCTAGAAGAAAGATNGACTGCTGCTGAAATTTTCGGTGATTTAGAGATCAGACTGTAGAG
 AAGATTACACATACTTTNTNAAATATGNTGAATAAATGGATGACCTTGTGAGAGGCAAG
 AGGGGATAATTCATTTAAAGAAAAGCAAGNAGCTTGGGTAAGCCAAGATGCAATATGGT
 ACCTCANTAA

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| 3' Read Nucleotide Sequence: | >Forward primer walk for NM_003142 unedited AACATGGTTAGAGAAAAGGTCAGTACTAAATACCTCAGATGAGAAGAACATTGCATAAAG CATTTAAGGGATCAATTTTTGTTGTGTTTATAGCATTGAATCTGCTAAGAAATTTGTAG AGACCCCTGGCCAGAAGTACAAAGAAACAGACCTGCTAATACTTTTCAAGGACGATTACT TTGCCAAAAAATGAAGAAAGAAAACAAAATAAAGTGAAGCTAAATTAAGAGCTAAAC AGGAGCAAGAAGCAAAACAAAAGTTAGAAGAAGATGCTGAAATGAAATCTCTAGAAGAAA AGATTGGATGCTTGCTGAAATTTTCGGGTGATTTAGATGATCAGACCTGTAGAGAAGATT TACACATACTTTTCTCAATCATGGTGAATAAAATGGATAGACTTCGTCAGAGGAGCAA AAGAGGGGATAATTCTATTTAAAGAAAAAGCCAAGGAAGCATTGGGTAAAGCCAAAGATG CAAATAATGGTAACCTACAATTAAGGAACAAGAAGTGACTTGGGAAGTACTAGAAGGAG AGGTGGAAAAAGAAGCACTGAAGAAAATAATAGAAGACCAACAAGAATCCCTAAACAAAT GGAAGTCAAAGGTCGTAGATTTAAAGGAAAAGGAAAGGTAATAAAGCTGCCAGCCTG GGTCTGGTAAAGGAAAAGTACAGTTTCAGGGCAAGAAAACGAAATTTGCTAGTGATGATG AACATGATGAACATGATGAAAATGGTGCAACTGGACCTGTAAAAAGCAAGAGAGAACA GACAAAGAAGACCCTGCATCCAAACAACAGAAAACAGAAATGGTCTGAGACAGTAGTTT AGTAAACCAATTTTTATTCAATTTAAATAGTTTTAAACGACTTTTGTTCGGGGCTTTAAG AAACGATAGTCACTCATGTCCACCTGTGAGAAAGAAATTTTTTTGTTGTTAACTTGTTT TTTTTGTATGCA |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_003142 |
| Insert Size: | 1600 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). |
| OTI Annotation: | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.NA |
| 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_003142.3 , NP_003133.1 |
| RefSeq Size: | 1673 bp |
| RefSeq ORF: | 1227 bp |
| Locus ID: | 6741 |
| UniProt ID: | P05455 |
| Cytogenetics: | 2q31.1 |

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| Domains: | RRM, LA |
| Protein Families: | Stem cell - Pluripotency, Transcription Factors |
| Protein Pathways: | Systemic lupus erythematosus |
| Gene Summary: | <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> |