

## Product datasheet for **RG205013**

### SSB (NM\_003142) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SSB (NM_003142) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSB
Synonyms:	La; La/SSB; LARP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205013 representing NM_003142 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGAAAAATGGTGATAATGAAAAGATGGCTGCCCTGGAGGCCAAAACTGTGCATCAAATTGAGTATT  
ATTTTGGCGACTTCAATTTGCCACGGGACAAGTTTCTAAAGGAACAGATAAAACTGGATGAAGGCTGGGT  
ACCTTTGGAGATAATGATAAAAATCAACAGGTTGAACCGTCTAACACAGACTTTAATGTAATTGTGGAA  
GCATTGAGCAAAATCCAAGGCAGAACTCATGAAAATCAGTGAAGATAAAACTAAAAATCAGAAGGTCTCCAA  
GCAAACCCCTACCTGAAGTGACTGATGAGTATAAAAATGATGTAACAAACAGATCTGTTTATATTAAGG  
CTTCCCAACTGATGCAACTCTTGATGACATAAAAAGAAATGGTTAGAAGATAAAGGTCAAGTACTAAATATT  
CAGATGAGAAGAACATTGCATAAAGCATTAAAGGGATCAATTTTTGTTGTGTTTGTAGCATTGAATCTG  
CTAAGAAATTTGTAGAGACCCCTGGCCAGAAGTACAAAGAAACAGACCTGCTAATACTTTTCAAGGACGA  
TTACTTTGCCAAAAAAAATGAAGAAAGAAAAACAAAATAAAGTGGAAAGCTAAATTAAGAGCTAAACAGGAG  
CAAGAAGCAAAACAAAAGTTAGAAGAAGATGCTGAAATGAAATCTCTAGAAGAAAAGATTGGATGCTTGC  
TGAAATTTTCGGGTGATTTAGATGATCAGACCTGTAGAGAAGATTTACACATACTTTTCTCAAATCATGG  
TGAAATAAAATGGATAGACTTCGTCAGAGGAGCAAAAAGAGGGGATAATTCTATTTAAAGAAAAAGCCAAG  
GAAGCATTGGTAAAGCCAAAGATGCAAATAATGGTAACCTACAATTAAGGAACAAAGAAGTGAAGTGGG  
AAGTACTAGAAGGAGAGGTGAAAAAGAAGCACTGAAGAAAATAATAGAAGACCAACAAGAATCCCTAAA  
CAAATGGAAGTCAAAAAGTTCGTAGATTTAAAGGAAAAGGAAAGGTAATAAAGCTGCCAGCCTGGGTCT  
GGTAAAGGAAAAGTACAGTTTCAGGGCAAGAAAACGAAATTTGCTAGTGTGATGAACATGATGAACATG  
ATGAAAATGGTCAACTGGACCTGTGAAAAGAGCAAGAGAAGAAACAGACAAAGAAGAACCTGCATCCAA  
ACAACAGAAAACAGAAAATGGTCTGGAGACCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205013 representing NM\_003142  
 Red=Cloning site Green=Tags(s)

MAENGDNKMAALEAKICHQIEYYFGDFNLPRDKFLKEQIKLDEGWVPLEIMIKFNRLNRLTTDFNVIVE  
 ALSKSKAELMEISEDKTKIRRSKPLPEVTDEYKNDVKNRSVYIKGFPTDATLDDIKEWLEDKGGQVLNI  
 QMRRTLHKAFKGSIFVVFDSIESAKKFVETPGQKYKETDLLILFKDDYFAKKNEERKQNKVEAKLRAKQE  
 QEAKQKLEEDAEMKSLEEKIGCLLKFSGDLDQTCREDLHILFSNHGEIKWIDFVRGAKEGIIIFKEKAK  
 EALGKAKDANNGNLQLRNKEVTWEVLEGEVEKEALKKIIEDQQESLNKWKSKGRRFKGKGKGNKAAQPGS  
 GKGVQFGQKTKFASDDEHDEHDENGATGPVKRAREETDKEEPASKQQKTENGAGDQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003142

**ORF Size:** 1224 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\\_003142.5](#)

**RefSeq Size:** 1673 bp

**RefSeq ORF:** 1227 bp

**Locus ID:** 6741

**UniProt ID:** [P05455](#)

**Cytogenetics:** 2q31.1

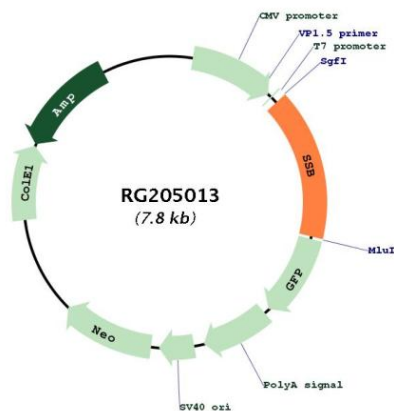
**Domains:** RRM, LA

**Protein Families:** Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Systemic lupus erythematosus

**Gene Summary:** 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]

### Product images:



Circular map for RG205013