

Product datasheet for **RG231845**

SSBP1 (NM_001256510) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SSBP1 (NM_001256510) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SSBP1
Synonyms: Mt-SSB; mtSSB; SOSS-B1; SSBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231845 representing NM_001256510
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCGAAGACCTGTATTACAGGTACTTCGTCAGTTTGTAAAGACATGAGTCCGAAACAACCTACCACTT
TGGTCTTGAAAGATCCCTGAATCGTGTGCACTTACTTGGGCGAGTGGTCAGGACCCTGTCTTGAGACA
GGTGAAGGAAAAATCCAGTCACAATATTTCTCTAGCAACTAATGAGATGTGGCGATCAGGGGATAGT
GAAGTTTACCAACTGGGTGATGTCAGTCAAAGACAACATGGCACAGAATATCAGTATTCGGCCAGGCC
TCAGAGACGTGGCATATCAATATGTGAAAAGGGTCTCGAATTTATTTGGAAGGAAAAATAGACTATGG
TGAATACATGGATAAAAATAATGTGAGGCGACAAGCAACAACAATCATAGCTGATAATATTATTTCTG
AGTGACCAGACGAAAGAGAAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231845 representing NM_001256510
Red=Cloning site **Green**=Tags(s)

MFRRPVLQVLRQFVRHESETTTSLVLESLNVRVHLLGRVGDVLRQVEGKNPVTIFSLATNEMWRSRGS
EYVQLGDVVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTTIADNIIIFL
SDQTKEKE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<u>NM_001256510.1</u> , <u>NP_001243439.1</u>
RefSeq Size:	1016 bp
RefSeq ORF:	447 bp
Locus ID:	6742
UniProt ID:	<u>Q04837</u>
Cytogenetics:	7q34
Protein Families:	Druggable Genome
Protein Pathways:	DNA replication, Homologous recombination, Mismatch repair
Gene Summary:	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]