

Product datasheet for **RG202361**

SLBP (NM_006527) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLBP (NM_006527) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLBP
Synonyms:	HBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202361 representing NM_006527 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGCCGCCGCGAAGCCCGCGAGGCATCAGAGCCGCTGCGACGGTGACGCCAGCCCGCCGTCCC
CCGCGCATGGAGCCTGGGACGGAAGCGCAGAGCCGACGGCAGGCGCTGGAGGCCGAAGACGCCGAGGA
GGCAGAGCACCGCGGCCGAGCGCAGACCCGAGAGCTTTACCACTCCTGAAGGCCCTAAACCCCGTTCC
AGATGCTCTGACTGGCAAGTGCAGTTGAAGAAGATGAAATGAGGACCAGAGTTAACAAAGAAATGGCAA
GATATAAAGGAACTCCTCATCAATGACTTTGGAAGAGAGAGAAAATCATCATCAGGAAGTTCTGATTC
AAAGGAGTCTATGTCTACTGTGCCGGCTGACTTTGAGACAGATGAAAGTGCCTAATGAGGAGACAGAAG
CAGATCAACTATGGGAAGAACAATTGCCTACGATCGTTATATTAAGAAGTCCCAAGACACCTTCGAC
AACCTGGCATTTCATCCCAAGACCCTAATAAATTTAAGAAGTATAGTCGACGTTTCATGGGACCAGCAAT
CAAACCTGGAAGGTGGCTCTGCATTTTGGGATCCTCCAGCGGAAGAAGGATGTGATTTGCAAGAAATA
CACCTGTAGACCTTGAATCTGCAGAAAGCAGCTCCGAGCCCCAGACCAGCTCTCAGGATGACTTTGATG
TGTAATCTGGCACACCCACCAAGGTGAGACACATGGACAGTCAAGTGGAGGATGAGTTTGATTTGGAAGC
TTGTTTAACTGAACCTTGAGAGACTTTCAGCCATGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202361 representing NM_006527
Red=Cloning site Green=Tags(s)

MACRPRSPRHQSRCDGASPPSPARWSLGRKRRADGRWRPEDAEAEHGAERRPESFTTPEGPKPRS
 RCSDWASAVEEDEMTRVKNEMARYKRLKLLINDFGRERKSSSGSSDSKESMSTVPADFETDESVMRRQK
 QINYGKNTIAYDRIYKEVPRHLRQPGIHPKTPNFKKYSRRSWDQQIKLWKVALHFWDPPEEGCDLQEI
 HPVDLESAESSSEPQTSSQDDFDVYSGTPTKVRHMDSQVEDEFDLEACLTEPLRDFSAMS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006527

ORF Size: 810 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006527.4](#)

RefSeq Size: 1743 bp

RefSeq ORF: 813 bp

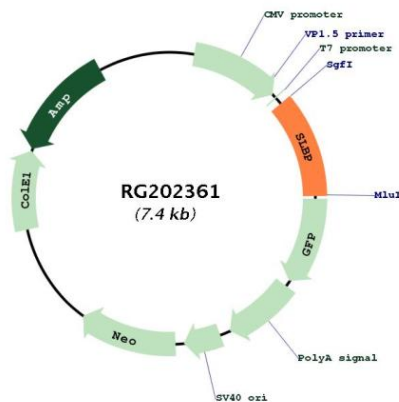
Locus ID: 7884

UniProt ID: [Q14493](#)

Cytogenetics: 4p16.3

Gene Summary: This gene encodes a protein that binds to the stem-loop structure in replication-dependent histone mRNAs. Histone mRNAs do not contain introns or polyadenylation signals, and are processed by endonucleolytic cleavage. The stem-loop structure is essential for efficient processing but this structure also controls the transport, translation and stability of histone mRNAs. Expression of the protein is regulated during the cell cycle, increasing more than 10-fold during the latter part of G1. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202361