

## Product datasheet for MR228722

### Slbp (NM\_001289725) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slbp (NM\_001289725) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Slbp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228722 representing NM\_001289725  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGCCTGCAGACCTAGAAGCCACCCGGTTATGGGAGTCGCCGCGACGGTGGTGCAGCCCGGGTCCC  
CTGCGAGATGGAGTCTCGGACGGAAGCGCAGAGCGGACGGAAGGGACCGGAAGCCCGAGGACTCCGAGGA  
AGCGGAGCTCCAGACTGCGGACCACCGACTGAAAGGTACAAAAGAAAAGTCTCATAAAGACTTTGGG  
AGAGAGAGGAAGTCATCATCGGGAAAGTTCTGATTCAAAGGAGTCTATGTCTTCAGTGCCTGCTGATGTGG  
AGACGGATGAAAGTGTCTTGATGAGAAGGCAGAAGCAGATCAACTACGGGAAGAACAATATTGCCTATGA  
TCGATATATTAAGAGGTGCCAGACACCTGCGACAACCTGGAATCCATCCCAGGACCCCAACAAATTT  
AAGAAGTACAGCCGGCGGTATGGGACCAACAAATTAACCTCTGGAAGGTGGCTTTGCATTTTGGGATC  
CTCCTGCTGAAGAAGGATGTGATTTGCAAGAAATACAACCTGTAGATCTGGGAAATGGAGACTGAATT  
CACAGAAAGCAGCTCTGAGTCTCAGACAAGTTCACAGGATAACTTTGATGTGTATGCTGGCACACCCACC  
AAAGTCAGACACGTGGACTGCCAAGTGGAGGATGAGTTTGATTTGGAAGCTTGTTAACTGAACCTTTGA  
AAGACTTCTCTGCCATGAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228722 representing NM\_001289725  
Red=Cloning site Green=Tags(s)

MACRPRSPPGYGSRRDGGASPRSPARWSLGRKRRADGRDRKPEDSEEGELQTADHRPERYKRKLLINDFG  
RERKSSSGSSDSKESMSSVPADVETDESVMRMRQKQINYGKNTIAYDRYIKEVPRHLRQPGIHPRTPNKF  
KKYSRRSWDQIKLWKVALHFWDPPEEGCDLQEIQPVDLGEMETEFTESSESQTSSQDNFDVYAGTPT  
KVRHVDCQVEDEFDLEACLTEPLKDFSAMS

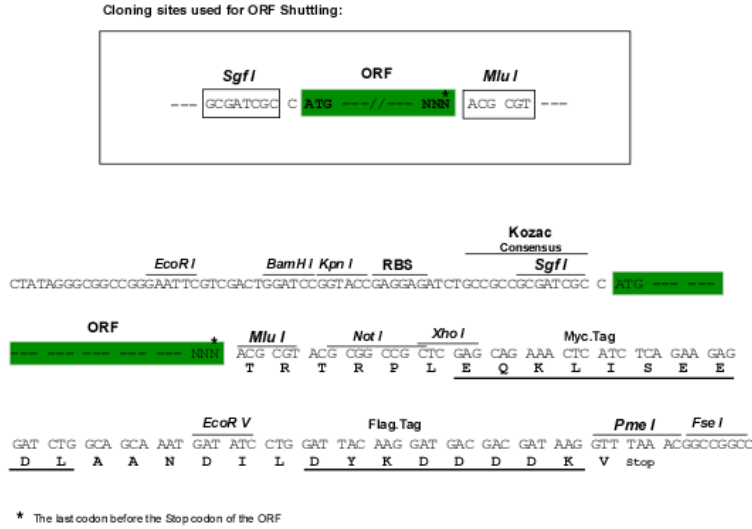
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



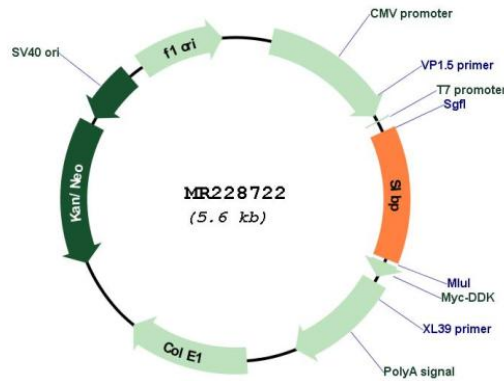
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001289725

ORF Size: 720 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.

<b>Components:</b>	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>	<u>NM_001289725.1, NP_001276654.1</u>
<b>RefSeq Size:</b>	1816 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	20492
<b>Cytogenetics:</b>	5 B2
<b>MW:</b>	28 kDa
<b>Gene Summary:</b>	RNA-binding protein involved in the histone pre-mRNA processing. Binds the stem-loop structure of replication-dependent histone pre-mRNAs and contributes to efficient 3'-end processing by stabilizing the complex between histone pre-mRNA and U7 small nuclear ribonucleoprotein (snRNP), via the histone downstream element (HDE). Plays an important role in targeting mature histone mRNA from the nucleus to the cytoplasm and to the translation machinery. Stabilizes mature histone mRNA and could be involved in cell-cycle regulation of histone gene expression (By similarity). Involved in the mechanism by which growing oocytes accumulate histone proteins that support early embryogenesis. Binds to the 5' side of the stem-loop structure of histone pre-mRNAs.[UniProtKB/Swiss-Prot Function]