

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

pLB

RRID:Addgene_11619

Type: Plasmid

Proper Citation

RRID:Addgene_11619

Plasmid Information

URL: <http://www.addgene.org/11619>

Proper Citation: RRID:Addgene_11619

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16550170](#)

Vector Backbone Description: Backbone Marker:N/A; Backbone Size:8500; Vector Backbone:pLL3.7; Vector Types:Mammalian Expression, Lentiviral, RNAi, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: pLB is a modification of pLL3.7. Two genetic elements known to prevent epigenetic silencing were added. A fragment of one antirepressor element (#40) was cloned upstream of the mouse U6 promoter and a scaffold-attached region (SAR) was cloned downstream of GFP. Please see author's map for more detailed information. Note: A single base pair deletion at position 11 of the mouse U6 promoter in this plasmid does not impair the efficacy of this reagent. There is also a base pair insertion upstream of the promoter. The depositing lab has no indication that it functionally impairs pLB.

Plasmid Name: pLB

Record Creation Time: 20220422T221608+0000

Record Last Update: 20260808T080524+0000

Ratings and Alerts

No rating or validation information has been found for pLB.

No alerts have been found for pLB.

Data and Source Information

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

De Paolis V, et al. (2025) An antisense-long-noncoding-RNA modulates p75NTR expression levels during neuronal polarization. *iScience*, 28(1), 111566.

Zhou Y, et al. (2025) Transcriptome-wide alternative mRNA splicing analysis reveals post-transcriptional regulation of neuronal differentiation. *The FEBS journal*, 292(8), 2051.

Guo Q, et al. (2024) CK2-HTATSF1-TOPBP1 signaling axis modulates tumor chemotherapy response. *The Journal of biological chemistry*, 300(6), 107377.

Pavan MF, et al. (2024) SARS-CoV-2 Specific Nanobodies Neutralize Different Variants of Concern and Reduce Virus Load in the Brain of h-ACE2 Transgenic Mice. *Viruses*, 16(2).

Contreras NE, et al. (2023) Novel competitive enzyme-linked immunosorbent assay for the detection of the high-risk Human Papillomavirus 18 E6 oncoprotein. *PloS one*, 18(8), e0290088.

Erra L, et al. (2023) COVID-19 Vaccination Responses with Different Vaccine Platforms in Patients with Inborn Errors of Immunity. *Journal of clinical immunology*, 43(2), 271.

Pavan MF, et al. (2023) Nanobodies against SARS-CoV-2 reduced virus load in the brain of challenged mice and neutralized Wuhan, Delta and Omicron Variants. *bioRxiv : the preprint server for biology*.

Coria LM, et al. (2022) A Novel Bacterial Protease Inhibitor Adjuvant in RBD-Based COVID-19 Vaccine Formulations Containing Alum Increases Neutralizing Antibodies, Specific Germinal Center B Cells and Confers Protection Against SARS-CoV-2 Infection in Mice. *Frontiers in immunology*, 13, 844837.

Ferraiuolo RM, et al. (2022) Stabilization of c-Myc by the atypical cell cycle regulator, Spy1, decreases efficacy of breast cancer treatments. *Breast cancer research and treatment*, 196(1), 17.

, et al. (2022) Covalent coupling of Spike's receptor binding domain to a multimeric carrier produces a high immune response against SARS-CoV-2. *Scientific reports*, 12(1), 692.

Song S, et al. (2021) A cell-based multiplex immunoassay platform using fluorescent protein-barcoded reporter cell lines. *Communications biology*, 4(1), 1338.

Roldán JS, et al. (2020) Optimization of recombinant Zika virus NS1 protein secretion from HEK293 cells. *Biotechnology reports (Amsterdam, Netherlands)*, 25, e00434.

Yang F, et al. (2019) Regulation of the tenogenic gene expression in equine tenocyte-derived induced pluripotent stem cells by mechanical loading and Mohawk. *Stem cell*

research, 39, 101489.

Merwaiss F, et al. (2019) Cell-to-Cell Transmission Is the Main Mechanism Supporting Bovine Viral Diarrhea Virus Spread in Cell Culture. *Journal of virology*, 93(3).

Wang SE, et al. (2019) Downregulation of SIRT2 by Chronic Stress Reduces Expression of Synaptic Plasticity-related Genes through the Upregulation of Ehmt2. *Experimental neurobiology*, 28(4), 537.

Oyarce K, et al. (2018) SVCT2 Is Expressed by Cerebellar Precursor Cells, Which Differentiate into Neurons in Response to Ascorbic Acid. *Molecular neurobiology*, 55(2), 1136.

Inoue F, et al. (2017) A systematic comparison reveals substantial differences in chromosomal versus episomal encoding of enhancer activity. *Genome research*, 27(1), 38.

Choi JG, et al. (2016) Lentivirus pre-packed with Cas9 protein for safer gene editing. *Gene therapy*, 23(7), 627.

Choi JG, et al. (2015) Multiplexing seven miRNA-Based shRNAs to suppress HIV replication. *Molecular therapy : the journal of the American Society of Gene Therapy*, 23(2), 310.

Dang Y, et al. (2015) Optimizing sgRNA structure to improve CRISPR-Cas9 knockout efficiency. *Genome biology*, 16, 280.