

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

PB-CA

RRID:Addgene_20960

Type: Plasmid

Proper Citation

RRID:Addgene_20960

Plasmid Information

URL: <http://www.addgene.org/20960>

Proper Citation: RRID:Addgene_20960

Insert Name: Gateway Destination Vector

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:19252478](#)

Vector Backbone Description: Backbone Size:6465; Vector Backbone:PB-CA; Vector Types:Mammalian Expression, piggyBac; Bacterial Resistance:Chloramphenicol and Ampicillin

Plasmid Name: PB-CA

Record Creation Time: 20220422T222053+0000

Record Last Update: 20260905T075350+0000

Ratings and Alerts

No rating or validation information has been found for PB-CA.

No alerts have been found for PB-CA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

An H, et al. (2025) Discovery of oligodendrocyte enhancers that regulate Sox10 expression. PLoS genetics, 21(7), e1011778.

Jeon BJ, et al. (2024) Stable long-term germline transmission of GFP transgenic rat via PiggyBac transposon mediated gene transfer. BMC veterinary research, 20(1), 275.

Fan C, et al. (2023) Uncovering oligodendrocyte enhancers that control Cnp expression. Human molecular genetics, 32(23), 3225.

Fan C, et al. (2023) Identifying an oligodendrocyte enhancer that regulates Olig2 expression. Human molecular genetics, 32(5), 835.

Espinosa-Medina I, et al. (2023) TEMPO enables sequential genetic labeling and manipulation of vertebrate cell lineages. Neuron, 111(3), 345.

Tabata H, et al. (2022) Erratic and blood vessel-guided migration of astrocyte progenitors in the cerebral cortex. Nature communications, 13(1), 6571.

Kwon DH, et al. (2022) Application of transposon systems in the transgenesis of bovine somatic and germ cells. BMC veterinary research, 18(1), 156.

Abuwarwar MH, et al. (2021) In Vitro Suppression of T Cell Proliferation Is a Conserved Function of Primary and Immortalized Human Cancer-Associated Fibroblasts. International journal of molecular sciences, 22(4).

Kim D, et al. (2021) Identifying oligodendrocyte enhancers governing Plp1 expression. Human molecular genetics, 30(23), 2225.

Kramme C, et al. (2021) MegaGate: A toxin-less gateway molecular cloning tool. STAR protocols, 2(4), 100907.

Eto T, et al. (2021) Establishment of an integrated automated embryonic manipulation system for producing genetically modified mice. Scientific reports, 11(1), 11770.

Hazelbaker DZ, et al. (2020) A multiplexed gRNA piggyBac transposon system facilitates efficient induction of CRISPRi and CRISPRa in human pluripotent stem cells. Scientific reports, 10(1), 635.

Jun S, et al. (2020) Single-cell analysis of a mutant library generated using CRISPR-guided deaminase in human melanoma cells. Communications biology, 3(1), 154.

Hwang B, et al. (2019) Lineage tracing using a Cas9-deaminase barcoding system targeting endogenous L1 elements. Nature communications, 10(1), 1234.

Sato T, et al. (2019) Core Transcription Factors Promote Induction of PAX3-Positive Skeletal Muscle Stem Cells. Stem cell reports, 13(2), 352.

Kim D, et al. (2019) A principled strategy for mapping enhancers to genes. Scientific reports, 9(1), 11043.

Ho TH, et al. (2018) A Screen for Epstein-Barr Virus Proteins That Inhibit the DNA Damage Response Reveals a Novel Histone Binding Protein. Journal of virology, 92(14).

Lee S, et al. (2017) Establishment of Transgenic Porcine Fibroblasts Expressing a Human klotho Gene and Its Effects on Gene Expression and Preimplantation Development of Cloned Embryos. DNA and cell biology, 36(1), 42.

Yum SY, et al. (2016) Efficient generation of transgenic cattle using the DNA transposon and their analysis by next-generation sequencing. Scientific reports, 6, 27185.

Choi W, et al. (2015) Efficient PRNP deletion in bovine genome using gene-editing technologies in bovine cells. Prion, 9(4), 278.