Resource Summary Report

Generated by dkNET on Aug 17, 2026

pLCA.66/2272

RRID:Addgene_22733
Type: Plasmid

Proper Citation

RRID:Addgene_22733

Plasmid Information

URL: http://www.addgene.org/22733

Proper Citation: RRID:Addgene_22733

Insert Name: Lox66-pU(delta)TK-EM7Neo-Lox2272

Bacterial Resistance: Ampicillin

Defining Citation: PMID:21324933

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:2969; Vector Backbone:pBluescript KS+; Vector Types:Cre/Lox, BAC recombineering; Bacterial Resistance:Ampicillin

Comments: Please note that the plasmid names and lox sites have been corrected since publication.

Plasmid Name: pLCA.66/2272

Relevant Mutation: This vector was designed for assembling gene targeting constructs using the BAC recombineering approach. The vector contains a puromycin-(delta)thymidine kinase fusion gene driven by the mouse phosphoglycerol kinase promoter (pUDTK) and a neomycin resistant gene driven by the bacterial EM7 promoter (EM7neo). These selectable markers are flanked by lox66 and lox2272 sites (Cre-recombinase recognition sequences) in a pBluescript KS+ backbone with a modified multi-cloning region

Record Creation Time: 20220422T222101+0000

Record Last Update: 20260815T081215+0000

Ratings and Alerts

No rating or validation information has been found for pLCA.66/2272.

No alerts have been found for pLCA.66/2272.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Bansal P, et al. (2024) A dynamic in vitro model of Down syndrome neurogenesis with trisomy 21 gene dosage correction. Science advances, 10(23), eadj0385.

Zheng D, et al. (2022) Engineering of human mesenchymal stem cells resistant to multiple natural killer subtypes. International journal of biological sciences, 18(1), 426.

Mukherjee S, et al. (2018) Derivation and characterization of a UCP1 reporter human ES cell line. Stem cell research, 30, 12.

Gupta D, et al. (2018) ATR-Chk1 activation mitigates replication stress caused by mismatch repair-dependent processing of DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 115(7), 1523.

Yang Y, et al. (2017) Clathrin Assembly Defines the Onset and Geometry of Cortical Patterning. Developmental cell, 43(4), 507.

Geisinger JM, et al. (2016) In vivo blunt-end cloning through CRISPR/Cas9-facilitated non-homologous end-joining. Nucleic acids research, 44(8), e76.

Chakraborty S, et al. (2014) Vector modifications to eliminate transposase expression following piggyBac-mediated transgenesis. Scientific reports, 4, 7403.