

Resource Summary Report

Generated by [dkNET](#) on Aug 11, 2026

Cherry-LacRep

RRID:Addgene_18985

Type: Plasmid

Proper Citation

RRID:Addgene_18985

Plasmid Information

URL: <http://www.addgene.org/18985>

Proper Citation: RRID:Addgene_18985

Insert Name: LacI

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18070915](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Also described in Science 13 June 2008 320: 1507-1510 "It was cloned into pEGFP-C1 vector (Clontech) where GFP was switched with mCherry using NheI and BsRGI sites. Lac Repressor-NLS was inserted into this vector using XhoI and KpnI sites."

Plasmid Name: Cherry-LacRep

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260808T081347+0000

Ratings and Alerts

No rating or validation information has been found for Cherry-LacRep.

No alerts have been found for Cherry-LacRep.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Sanchez A, et al. (2026) R-PLA enables enhanced detection of R-loops in mammalian cells using proximity ligation. *Cell reports methods*, 6(5), 101380.

Zhu S, et al. (2025) Isoform-specific function of NSD3 in DNA replication stress confers resistance to PARP inhibitors in prostate cancer. *Molecular cell*, 85(14), 2673.

Rona G, et al. (2024) D-type cyclins regulate DNA mismatch repair in the G1 and S phases of the cell cycle, maintaining genome stability. *bioRxiv : the preprint server for biology*.

Tsukada K, et al. (2024) BLM and BRCA1-BARD1 coordinate complementary mechanisms of joint DNA molecule resolution. *Molecular cell*, 84(4), 640.

Rona G, et al. (2024) CDK-independent role of D-type cyclins in regulating DNA mismatch repair. *Molecular cell*.

Papathanasiou S, et al. (2023) Heritable transcriptional defects from aberrations of nuclear architecture. *Nature*, 619(7968), 184.

Tsao N, et al. (2021) Aberrant RNA methylation triggers recruitment of an alkylation repair complex. *Molecular cell*, 81(20), 4228.

Zhang Q, et al. (2020) A feedforward circuit shaped by ECT2 and USP7 contributes to breast carcinogenesis. *Theranostics*, 10(23), 10769.

Fu J, et al. (2019) A glucose-dependent spatial patterning of exocytosis in human β -cells is disrupted in type 2 diabetes. *JCI insight*, 5(12).

Kim J, et al. (2018) Replication Stress Shapes a Protective Chromatin Environment across Fragile Genomic Regions. *Molecular cell*, 69(1), 36.

Fu J, et al. (2017) Kv2.1 Clustering Contributes to Insulin Exocytosis and Rescues Human β -Cell Dysfunction. *Diabetes*, 66(7), 1890.

Knockleby J, et al. (2016) Cdk1-mediated phosphorylation of Cdc7 suppresses DNA re-replication. *Cell cycle (Georgetown, Tex.)*, 15(11), 1494.

Galat V, et al. (2016) Transgene Reactivation in Induced Pluripotent Stem Cell Derivatives and Reversion to Pluripotency of Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells. *Stem cells and development*, 25(14), 1060.

Annibale P, et al. (2015) Single cell visualization of transcription kinetics variance of highly mobile identical genes using 3D nanoimaging. *Scientific reports*, 5, 9258.

Wang WY, et al. (2013) Interaction of FUS and HDAC1 regulates DNA damage response and repair in neurons. *Nature neuroscience*, 16(10), 1383.

Lin MH, et al. (2012) Nullbasic, a potent anti-HIV tat mutant, induces CRM1-dependent disruption of HIV rev trafficking. *PloS one*, 7(12), e51466.

Steinmeyer JD, et al. (2012) High-throughput single-cell manipulation in brain tissue. *PloS one*, 7(4), e35603.