

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pLCN DSB Repair Reporter (DRR)

RRID:Addgene_98895

Type: Plasmid

Proper Citation

RRID:Addgene_98895

Plasmid Information

URL: <http://www.addgene.org/98895>

Proper Citation: RRID:Addgene_98895

Insert Name: Neomycin-T2A-ISce1-ISce1-eGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28959974](#)

Vector Backbone Description: Backbone Marker:Eric Campeau; Backbone Size:6700; Vector Backbone:pLenti CMV Neo; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLCN DSB Repair Reporter (DRR)

Record Creation Time: 20220422T222632+0000

Record Last Update: 20260815T082241+0000

Ratings and Alerts

No rating or validation information has been found for pLCN DSB Repair Reporter (DRR).

No alerts have been found for pLCN DSB Repair Reporter (DRR).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Sun S, et al. (2026) CBX2 phase-separation contributes to homologous recombination repair and drug resistance in ovarian cancer. *Cell death & disease*, 17(1).

Zhang Q, et al. (2025) LINC01235 Promotes Clonal Evolution through DNA Replication Licensing-Induced Chromosomal Instability in Breast Cancer. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(14), e2413527.

Li J, et al. (2025) Serotonin-licensed macrophages potentiate chemoresistance via inositol metabolic crosstalk in ovarian cancer. *Cell metabolism*.

Tao S, et al. (2025) Inhibition of GSK3 β is synthetic lethal with FHIT loss in lung cancer by blocking homologous recombination repair. *Experimental & molecular medicine*, 57(1), 167.

Huang L, et al. (2025) LEF1 confers resistance to DNA-damaging chemotherapies through upregulation of PARP1 and NUMA1 in ovarian cancer. *Oncogene*, 44(43), 4130.

Qin C, et al. (2023) RAP80 phase separation at DNA double-strand break promotes BRCA1 recruitment. *Nucleic acids research*, 51(18), 9733.

Sun D, et al. (2023) Enhancement of glycolysis-dependent DNA repair regulated by FOXO1 knockdown via PFKFB3 attenuates hyperglycemia-induced endothelial oxidative stress injury. *Redox biology*, 59, 102589.

Sobanski T, et al. (2023) The fructose-bisphosphate, Aldolase A (ALDOA), facilitates DNA-PKcs and ATM kinase activity to regulate DNA double-strand break repair. *Scientific reports*, 13(1), 15171.

Yang S, et al. (2023) Fatty acid oxidation facilitates DNA double-strand break repair by promoting PARP1 acetylation. *Cell death & disease*, 14(7), 435.

Li J, et al. (2023) Tyrosine catabolism enhances genotoxic chemotherapy by suppressing translesion DNA synthesis in epithelial ovarian cancer. *Cell metabolism*, 35(11), 2044.

He DD, et al. (2022) BRD4 inhibition induces synthetic lethality in ARID2-deficient hepatocellular carcinoma by increasing DNA damage. *Oncogene*, 41(10), 1397.

Yu R, et al. (2022) LncRNA CTBP1-DT-encoded microprotein DDUP sustains DNA damage response signalling to trigger dual DNA repair mechanisms. *Nucleic acids research*, 50(14), 8060.

Feng M, et al. (2021) CRL4ADTL degrades DNA-PKcs to modulate NHEJ repair and induce genomic instability and subsequent malignant transformation. *Oncogene*, 40(11), 2096.

Burgess JT, et al. (2021) Barrier-to-autointegration-factor (Banf1) modulates DNA double-strand break repair pathway choice via regulation of DNA-dependent kinase (DNA-PK) activity. *Nucleic acids research*, 49(6), 3294.

Fukumoto T, et al. (2019) N6-Methylation of Adenosine of FZD10 mRNA Contributes to PARP Inhibitor Resistance. *Cancer research*, 79(11), 2812.

Hu W, et al. (2019) Heterogeneous nuclear ribonucleoprotein L facilitates recruitment of 53BP1 and BRCA1 at the DNA break sites induced by oxaliplatin in colorectal cancer. *Cell death & disease*, 10(8), 550.