

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 30, 2026

Lenti-luciferase-P2A-Neo

RRID:Addgene_105621

Type: Plasmid

Proper Citation

RRID:Addgene_105621

Plasmid Information

URL: <http://www.addgene.org/105621>

Proper Citation: RRID:Addgene_105621

Insert Name: Luciferase

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29316427](#)

Vector Backbone Description: Vector Backbone:LentiV; Vector Types:Mammalian Expression, Lentiviral, Luciferase; Bacterial Resistance:Ampicillin

Plasmid Name: Lenti-luciferase-P2A-Neo

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260829T075034+0000

Ratings and Alerts

No rating or validation information has been found for Lenti-luciferase-P2A-Neo.

No alerts have been found for Lenti-luciferase-P2A-Neo.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Zabiegala A, et al. (2025) Host susceptibilities and entry processes of SARS-CoV-2 Omicron variants using pseudotyped viruses carrying spike protein. BMC veterinary research, 21(1), 377.

Aleksandrovic E, et al. (2025) Temporal Clonal Tracing and Functional Perturbation Reveal Niche-Adaptive and Tumor-Intrinsic IFN γ Dependencies Driving Ovarian Cancer Metastasis. bioRxiv : the preprint server for biology.

Kim WJ, et al. (2025) Mis-splicing-derived neoantigens and cognate TCRs in splicing factor mutant leukemias. Cell, 188(13), 3422.

Chaib S, et al. (2024) The efficacy of chemotherapy is limited by intratumoral senescent cells expressing PD-L2. Nature cancer, 5(3), 448.

Segal D, et al. (2024) Caveolin-1 regulates context-dependent signaling and survival in Ewing Sarcoma. bioRxiv : the preprint server for biology.

Wenes M, et al. (2024) A novel mitochondrial pyruvate carrier inhibitor drives stem cell-like memory CAR T cell generation and enhances antitumor efficacy. Molecular therapy. Oncology, 32(4), 200897.

Ren J, et al. (2024) Generation and optimization of off-the-shelf immunotherapeutics targeting TCR-V α 2+ T cell malignancy. Nature communications, 15(1), 519.

Zhang J, et al. (2023) A role for microsomal glutathione transferase 1 in melanin biosynthesis and melanoma progression. The Journal of biological chemistry, 299(8), 104920.

Sheng G, et al. (2023) P2RX7 promotes osteosarcoma progression and glucose metabolism by enhancing c-Myc stabilization. Journal of translational medicine, 21(1), 132.

Chang Y, et al. (2023) Engineered human pluripotent stem cell-derived natural killer cells with PD-L1 responsive immunological memory for enhanced immunotherapeutic efficacy. Bioactive materials, 27, 168.

Juras PK, et al. (2023) Increased CaMKK2 Expression Is an Adaptive Response That Maintains the Fitness of Tumor-Infiltrating Natural Killer Cells. Cancer immunology research, 11(1), 109.

Swan SL, et al. (2023) IL7 and IL7 Fc co-expressing CAR T cells improve therapeutic efficacy in mouse EGFRvIII heterogeneous glioblastoma. Frontiers in immunology, 14, 1085547.

Dai T, et al. (2022) Hypoxic activation of PFKFB4 in breast tumor microenvironment shapes metabolic and cellular plasticity to accentuate metastatic competence. Cell reports, 41(10), 111756.

Wei Y, et al. (2022) SLC5A3-Dependent Myo-inositol Auxotrophy in Acute Myeloid Leukemia. *Cancer discovery*, 12(2), 450.

Russell S, et al. (2022) Development and Characterization of a Luciferase Labeled, Syngeneic Murine Model of Ovarian Cancer. *Cancers*, 14(17).

Polyanskaya SA, et al. (2022) SCP4-STK35/PDIK1L complex is a dual phospho-catalytic signaling dependency in acute myeloid leukemia. *Cell reports*, 38(2), 110233.

Nemudraia A, et al. (2022) Sequence-specific capture and concentration of viral RNA by type III CRISPR system enhances diagnostic. *Research square*.

Ren Q, et al. (2022) Gene expression predicts dormant metastatic breast cancer cell phenotype. *Breast cancer research : BCR*, 24(1), 10.

Yang Z, et al. (2021) Transcriptional Silencing of ALDH2 Confers a Dependency on Fanconi Anemia Proteins in Acute Myeloid Leukemia. *Cancer discovery*, 11(9), 2300.

Feng W, et al. (2021) Rapid interrogation of cancer cell of origin through CRISPR editing. *Proceedings of the National Academy of Sciences of the United States of America*, 118(32).