

Resource Summary Report

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

[pAKlux2](#)

RRID:Addgene_14080

Type: Plasmid

Proper Citation

RRID:Addgene_14080

Plasmid Information

URL: <http://www.addgene.org/14080>

Proper Citation: RRID:Addgene_14080

Insert Name: Bacterial luciferase

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17207855](#)

Vector Backbone Description: Backbone Size:4982; Vector Backbone:pBBR1MCS4;
Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pAKlux2

Record Creation Time: 20220422T221812+0000

Record Last Update: 20260829T075637+0000

Ratings and Alerts

No rating or validation information has been found for pAKlux2.

No alerts have been found for pAKlux2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Liu GW, et al. (2024) Drinkable in situ-forming tough hydrogels for gastrointestinal therapeutics. *Nature materials*, 23(9), 1292.

Zamlot V, et al. (2022) Targeted Depletion of Hyaluronic Acid Mitigates Murine Breast Cancer Growth. *Cancers*, 14(19).

Makaryan V, et al. (2022) Comparison of Gene Editing versus a Neutrophil Elastase Inhibitor as Potential Therapies for ELANE Neutropenia. *Journal of cellular immunology*, 4(1), 19.

Súkeníková L, et al. (2022) The Impact of Escherichia coli Probiotic Strain O83:K24:H31 on the Maturation of Dendritic Cells and Immunoregulatory Functions In Vitro and In Vivo. *Cells*, 11(10).

Ebelt ND, et al. (2021) Collagenase-Expressing Salmonella Targets Major Collagens in Pancreatic Cancer Leading to Reductions in Immunosuppressive Subsets and Tumor Growth. *Cancers*, 13(14).

Ebelt ND, et al. (2020) Hyaluronidase-Expressing Salmonella Effectively Targets Tumor-Associated Hyaluronic Acid in Pancreatic Ductal Adenocarcinoma. *Molecular cancer therapeutics*, 19(2), 706.

Ebelt ND, et al. (2020) Salmonella-Based Therapy Targeting Indoleamine 2,3-Dioxygenase Restructures the Immune Contexture to Improve Checkpoint Blockade Efficacy. *Biomedicines*, 8(12).

Pimentel MB, et al. (2020) An in vitro tissue model for screening sustained release of phosphate-based therapeutic attenuation of pathogen-induced proteolytic matrix degradation. *Journal of materials chemistry. B*, 8(12), 2454.

Nichols D, et al. (2019) Sustained Release of Phosphates From Hydrogel Nanoparticles Suppresses Bacterial Collagenase and Biofilm Formation in vitro. *Frontiers in bioengineering and biotechnology*, 7, 153.

Novickij V, et al. (2018) Non-invasive nanosecond electroporation for biocontrol of surface infections: an in vivo study. *Scientific reports*, 8(1), 14516.

Mimee M, et al. (2018) An ingestible bacterial-electronic system to monitor gastrointestinal health. *Science (New York, N.Y.)*, 360(6391), 915.

Saltzman D, et al. (2018) Low dose chemotherapy combined with attenuated Salmonella decreases tumor burden and is less toxic than high dose chemotherapy in an autochthonous murine model of breast cancer. *Surgery*, 163(3), 509.

Zhou YF, et al. (2018) In Vivo Bioluminescent Monitoring of Therapeutic Efficacy and Pharmacodynamic Target Assessment of Antofloxacin against Escherichia coli in a Neutropenic Murine Thigh Infection Model. *Antimicrobial agents and chemotherapy*, 62(1).

Novickij V, et al. (2018) Inactivation of *Escherichia coli* Using Nanosecond Electric Fields and Nisin Nanoparticles: A Kinetics Study. *Frontiers in microbiology*, 9, 3006.

Kang Y, et al. (2009) Engineering of tellurite-resistant genetic tools for single-copy chromosomal analysis of *Burkholderia* spp. and characterization of the *Burkholderia thailandensis* betBA operon. *Applied and environmental microbiology*, 75(12), 4015.