

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

[pSECC](#)

RRID:Addgene_60820

Type: Plasmid

Proper Citation

RRID:Addgene_60820

Plasmid Information

URL: <http://www.addgene.org/60820>

Proper Citation: RRID:Addgene_60820

Insert Name: Cas9

Organism: S. pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25337879](#)

Vector Backbone Description: Backbone Size:5878; Vector Backbone:pLL3.3; Vector Types:Mammalian Expression, Mouse Targeting, Lentiviral, Cre/Lox, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pSECC

Record Creation Time: 20220422T222349+0000

Record Last Update: 20260815T081736+0000

Ratings and Alerts

No rating or validation information has been found for pSECC.

No alerts have been found for pSECC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Chovatiya G, et al. (2025) Cell-type-specific RNA polymerase II activity maps in intact tissues provide a gateway to mammalian gene regulatory mechanisms in vivo. Developmental cell.

Lee JH, et al. (2024) TGF- β and RAS jointly unmask primed enhancers to drive metastasis. Cell, 187(22), 6182.

Schubert L, et al. (2023) A Rapid, Functional sgRNA Screening Method for Generating Murine RET and NTRK1 Fusion Oncogenes. bioRxiv : the preprint server for biology.

Schubert L, et al. (2023) A functional sgRNA-CRISPR screening method for generating murine RET and NTRK1 rearranged oncogenes. Biology open, 12(8).

Gou D, et al. (2023) Gluconeogenic enzyme PCK1 supports S-adenosylmethionine biosynthesis and promotes H3K9me3 modification to suppress hepatocellular carcinoma progression. The Journal of clinical investigation, 133(13).

Zhou P, et al. (2023) High dietary fructose promotes hepatocellular carcinoma progression by enhancing O-GlcNAcylation via microbiota-derived acetate. Cell metabolism, 35(11), 1961.

Ye Q, et al. (2023) Deficiency of gluconeogenic enzyme PCK1 promotes metabolic-associated fatty liver disease through PI3K/AKT/PDGF axis activation in male mice. Nature communications, 14(1), 1402.

Xu Q, et al. (2022) Loss of TET reprograms Wnt signaling through impaired demethylation to promote lung cancer development. Proceedings of the National Academy of Sciences of the United States of America, 119(6).

Millar FR, et al. (2022) Toll-like receptor 2 orchestrates a tumor suppressor response in non-small cell lung cancer. Cell reports, 41(6), 111596.

Kong Y, et al. (2022) The kinase PLK1 promotes the development of Kras/Tp53-mutant lung adenocarcinoma through transcriptional activation of the receptor RET. Science signaling, 15(754), eabj4009.

Liu X, et al. (2022) Chromatin Remodeling Induced by ARID1A Loss in Lung Cancer Promotes Glycolysis and Confers JQ1 Vulnerability. Cancer research, 82(5), 791.

Zhang K, et al. (2022) Acquisition of cellular properties during alveolar formation requires differential activity and distribution of mitochondria. eLife, 11.

Muntean BS, et al. (2021) G β o is a major determinant of cAMP signaling in the pathophysiology of movement disorders. Cell reports, 34(5), 108718.

Wiel C, et al. (2019) BACH1 Stabilization by Antioxidants Stimulates Lung Cancer Metastasis. Cell, 178(2), 330.

Hollstein PE, et al. (2019) The AMPK-Related Kinases SIK1 and SIK3 Mediate Key Tumor-Suppressive Effects of LKB1 in NSCLC. *Cancer discovery*, 9(11), 1606.

Zhao G, et al. (2019) Cullin5 deficiency promotes small-cell lung cancer metastasis by stabilizing integrin $\alpha 1$. *The Journal of clinical investigation*, 129(3), 972.

Zhou X, et al. (2019) Modulation of Mutant KrasG12D -Driven Lung Tumorigenesis In Vivo by Gain or Loss of PCDH7 Function. *Molecular cancer research : MCR*, 17(2), 594.

Doyle TB, et al. (2019) Identification of Novel Adenylyl Cyclase 5 (AC5) Signaling Networks in D1 and D2 Medium Spiny Neurons using Bimolecular Fluorescence Complementation Screening. *Cells*, 8(11).

Roper J, et al. (2017) In vivo genome editing and organoid transplantation models of colorectal cancer and metastasis. *Nature biotechnology*, 35(6), 569.

Tammela T, et al. (2017) A Wnt-producing niche drives proliferative potential and progression in lung adenocarcinoma. *Nature*, 545(7654), 355.