

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

pLX311-Cas9

RRID:Addgene_118018

Type: Plasmid

Proper Citation

RRID:Addgene_118018

Plasmid Information

URL: <http://www.addgene.org/118018>

Proper Citation: RRID:Addgene_118018

Insert Name: Cas9

Organism: S. pyrogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30224644](#)

Vector Backbone Description: Backbone Marker:Broad Institute; Backbone Size:8767; Vector Backbone:pLX311; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pLX311-Cas9

Record Creation Time: 20220422T221618+0000

Record Last Update: 20260808T080541+0000

Ratings and Alerts

No rating or validation information has been found for pLX311-Cas9.

No alerts have been found for pLX311-Cas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Ibrahim KE, et al. (2026) In vivo CAR T cell generation using retargeted and functionalized lentiviral vectors with reduced immunogenicity. *Nature communications*, 17(1).

Pulice JL, et al. (2025) Amplified dosage of the NKX2-1 lineage transcription factor controls its oncogenic role in lung adenocarcinoma. *Molecular cell*, 85(7), 1311.

Rendo V, et al. (2025) A window-of-opportunity trial reveals mechanisms of response and resistance to navtemadlin in patients with recurrent glioblastoma. *Science translational medicine*, 17(786), eadn6274.

Quintanilla I, et al. (2025) Optical Pooled Screening for the Discovery of Regulators of the Alternative Lengthening of Telomeres Pathway. *bioRxiv : the preprint server for biology*.

Lavery DJ, et al. (2024) ATM inhibition exploits checkpoint defects and ATM-dependent double strand break repair in TP53-mutant glioblastoma. *Nature communications*, 15(1), 5294.

Rogava M, et al. (2024) Loss of Pip4k2c confers liver-metastatic organotropism through insulin-dependent PI3K-AKT pathway activation. *Nature cancer*, 5(3), 433.

Hagel KR, et al. (2023) Systematic Interrogation of Tumor Cell Resistance to Chimeric Antigen Receptor T-cell Therapy in Pancreatic Cancer. *Cancer research*, 83(4), 613.

Jiang J, et al. (2022) Optimization of Cas9 RNA sequence to reduce its unexpected effects as a microRNA sponge. *Molecular cancer*, 21(1), 136.

Dhimolea E, et al. (2021) An Embryonic Diapause-like Adaptation with Suppressed Myc Activity Enables Tumor Treatment Persistence. *Cancer cell*, 39(2), 240.

Wang JS, et al. (2021) Control of osteocyte dendrite formation by Sp7 and its target gene osteocrin. *Nature communications*, 12(1), 6271.

Gocho Y, et al. (2021) Network-based systems pharmacology reveals heterogeneity in LCK and BCL2 signaling and therapeutic sensitivity of T-cell acute lymphoblastic leukemia. *Nature cancer*, 2(3), 284.

van Wietmarschen N, et al. (2020) Repeat expansions confer WRN dependence in microsatellite-unstable cancers. *Nature*, 586(7828), 292.

Sato T, et al. (2020) A FAK/HDAC5 signaling axis controls osteocyte mechanotransduction. *Nature communications*, 11(1), 3282.