

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

[pCW-Cas9](#)

RRID:Addgene_50661

Type: Plasmid

Proper Citation

RRID:Addgene_50661

Plasmid Information

URL: <http://www.addgene.org/50661>

Proper Citation: RRID:Addgene_50661

Insert Name: humanized S. pyogenes Cas9

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24336569](#)

Vector Backbone Description: Backbone Size:7600; Vector Backbone:pCW57.1; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Depositors used delta-VPR and CMV VSV-G packaging plasmids

Plasmid Name: pCW-Cas9

Record Creation Time: 20220422T222259+0000

Record Last Update: 20260815T081607+0000

Ratings and Alerts

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

No alerts have been found for pCW-Cas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 239 mentions in open access literature.

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

Lefrançois G, et al. (2026) The role of ATP synthase subunit e (ATP5I) in mediating the metabolic and antiproliferative effects of metformin in cancer cells. *eLife*, 13.

Maurais EG, et al. (2026) Genome instability triggers intercellular DNA transfer between human cells. *Cell*, 189(15), 4548.

Li S, et al. (2026) Microhomology-mediated end joining acts directly on replication forks to repair single-ended double-strand breaks. *Molecular cell*, 86(7), 1230.

Ferrick KR, et al. (2026) Transient proliferation by reversible YAP and mitogen control of the cyclin D1/p27 ratio. *Communications biology*, 9(1).

Shaum JB, et al. (2026) High-throughput ligand diversification to discover chemical inducers of proximity. *Nature chemical biology*.

Singh D, et al. (2026) Antibody-Mediated Targeting of Secretory Protein SCUBE3 Suppresses Cancer Progression by Inhibiting Oncogenic Signaling and Inducing Antitumor Immunity. *Cancer research*, 86(5), 1252.

Guo J, et al. (2026) The cytotoxic effect of prexasertib is a consequence of dual inhibition on both CHK1 and AMPK. *Cell chemical biology*, 33(6), 767.

Suzuki K, et al. (2026) Targeting the $\alpha 5$ Integrin Modifies the TGF β -Rich Tumor Microenvironment of Pancreatic Cancer. *Cancer research*, 86(15), 3801.

Lee M, et al. (2026) LINE-1 Locus Transcription Nucleates Oncogenic Chromatin Architecture. *Cancer discovery*, 16(4), 800.

Martianov I, et al. (2025) The transcription factor IID subunit Taf13 is dispensable for TATA binding protein promoter recruitment and RNA polymerase II transcription. *iScience*, 28(6), 112286.

Timilsina S, et al. (2025) Epigenetic silencing of DNA sensing pathway by FOXM1 blocks stress ligand-dependent antitumor immunity and immune memory. *Nature communications*, 16(1), 3967.

Tandon A, et al. (2025) SNAI2 cooperates with MEK1/2 and HDACs to suppress BIM- and BMF-dependent apoptosis in TERT promoter mutant cancers. *PLoS one*, 20(6), e0322961.

Kim K, et al. (2025) E2F activity determines mitosis versus whole-genome duplication in G2-arrested cells. *Nature communications*, 16(1), 6677.

Wang Y, et al. (2025) PALB2 and 53BP1 govern post-resection homologous recombination DNA repair. *Molecular cell*, 85(15), 2824.

Kumar R, et al. (2025) CRM1 regulates androgen receptor stability and impacts DNA repair pathways in prostate cancer, independent of the androgen receptor. *FASEB journal* : official publication of the Federation of American Societies for Experimental Biology,

39(2), e70342.

Li D, et al. (2025) BAHCC1 binds H4K20me1 to facilitate the MCM complex loading and DNA replication. *Nature communications*, 16(1), 5502.

Beauchemin H, et al. (2025) Inhibiting the RNA helicase DDX3X in Burkitt lymphoma induces oxidative stress and impedes tumor progression in xenografts. *Frontiers in cell and developmental biology*, 13, 1642006.

Sampath R, et al. (2025) Rab40 GTPases regulate AMBRA1-mediated transcription and cell migration. *Journal of cell science*, 138(7).

Dickmander RJ, et al. (2025) RNA-targeted proteomics identifies YBX1 as critical for efficient HCMV mRNA translation. *Proceedings of the National Academy of Sciences of the United States of America*, 122(10), e2421155122.

Moison C, et al. (2025) DDB1 engagement defines the selectivity of S656 analogs for cyclin K degradation over CDK inhibition. *EMBO reports*, 26(11), 2836.