

Resource Summary Report

Generated by [dkNET](#) on Aug 29, 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: 20260829T080634+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 [dkNET](#) .

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

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).

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.

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.

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

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.

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.

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.

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.

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

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

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.