

Resource Summary Report

Generated by [dkNET](#) on Aug 28, 2026

pCas9-CR4

RRID:Addgene_62655

Type: Plasmid

Proper Citation

RRID:Addgene_62655

Plasmid Information

URL: <http://www.addgene.org/62655>

Proper Citation: RRID:Addgene_62655

Insert Name: Cas9 nuclease

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:26463009](#)

Vector Backbone Description: Vector Backbone:pdCas9-bacteria; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

Comments: Please note that this plasmid runs as a dimer (>13kb). While this may reduce DNA yield, the plasmid still functions as expected.

Plasmid Name: pCas9-CR4

Record Creation Time: 20220422T222358+0000

Record Last Update: 20260815T081754+0000

Ratings and Alerts

No rating or validation information has been found for pCas9-CR4.

No alerts have been found for pCas9-CR4.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

van Roosmalen RN, et al. (2026) A Stereospecific Lactic Acid Exclusion Biosensor for Grass Silage Fed Green Biorefinery. *Microbial biotechnology*, 19(5), e70374.

Ghanbarpour A, et al. (2025) An asymmetric nautilus-like HflK/C assembly controls FtsH proteolysis of membrane proteins. *The EMBO journal*, 44(9), 2501.

Yadav D, et al. (2025) Chaperone Dependency during Primary Protein Biogenesis Does Not Correlate with Chaperone Dependency during in vitro Refolding. *bioRxiv : the preprint server for biology*.

Liu YA, et al. (2025) Heterologous synthesis of a simplified nitrogenase analog in *Escherichia coli*. *Science advances*, 11(18), eadw6785.

Vignolini T, et al. (2024) Highly inclined light sheet allows volumetric super-resolution imaging of efflux pumps distribution in bacterial biofilms. *Scientific reports*, 14(1), 12902.

Garay-Novillo JN, et al. (2024) Easy-Curing and pH-Regulated CRISPR-Cas9 Plasmids for Gene Editing and Plasmid Curing in *Lactococcus cremoris*. *Microbial biotechnology*, 17(12), e70060.

Song J, et al. (2023) Phage Engineering for Targeted Multidrug-Resistant *Escherichia coli*. *International journal of molecular sciences*, 24(3).

Hills E, et al. (2022) Comprehensive Mutational Analysis of the Lasso Peptide Klebsidin. *ACS chemical biology*, 17(4), 998.

Gregor C, et al. (2022) Generation of bright autoluminescent bacteria by chromosomal integration of the improved lux operon ilux2. *Scientific reports*, 12(1), 19039.

Chaves GL, et al. (2022) Improving 3-hydroxypropionic acid production in *E. coli* by in silico prediction of new metabolic targets. *New biotechnology*, 72, 80.

Wilkens D, et al. (2021) Sequence analysis and specificity of distinct types of menaquinone methyltransferases indicate the widespread potential of methylmenaquinone production in bacteria and archaea. *Environmental microbiology*, 23(3), 1407.

Wang CY, et al. (2021) Metabolome and proteome analyses reveal transcriptional misregulation in glycolysis of engineered *E. coli*. *Nature communications*, 12(1), 4929.

Bao SH, et al. (2021) A dynamic and multilocus metabolic regulation strategy using quorum-sensing-controlled bacterial small RNA. *Cell reports*, 36(3), 109413.

Gray MJ, et al. (2020) Interactions between DksA and Stress-Responsive Alternative Sigma Factors Control Inorganic Polyphosphate Accumulation in *Escherichia coli*. *Journal of bacteriology*, 202(14).

Rodrigues JL, et al. (2020) A Combinatorial Approach to Optimize the Production of Curcuminoids From Tyrosine in *Escherichia coli*. *Frontiers in bioengineering and*

biotechnology, 8, 59.

Srinivas S, et al. (2019) Escherichia coli vectors having stringently repressible replication origins allow a streamlining of Crispr/Cas9 gene editing. Plasmid, 103, 53.

Sander T, et al. (2019) Allosteric Feedback Inhibition Enables Robust Amino Acid Biosynthesis in E. coli by Enforcing Enzyme Overabundance. Cell systems, 8(1), 66.

Li P, et al. (2019) Screening of Polyvalent Phage-Resistant Escherichia coli Strains Based on Phage Receptor Analysis. Frontiers in microbiology, 10, 850.

Hegde S, et al. (2019) CRISPR/Cas9-mediated gene deletion of the ompA gene in symbiotic Cedecea neteri impairs biofilm formation and reduces gut colonization of Aedes aegypti mosquitoes. PLoS neglected tropical diseases, 13(12), e0007883.

Li M, et al. (2018) Comparative genomics analysis of pTEM-2262, an MDR plasmid from Citrobacter freundii, harboring two unclassified replicons. Future microbiology, 13, 1657.