

Resource Summary Report

Generated by [RRID](#) on Aug 18, 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 [RRID](#) .

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.

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.

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

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 *Cedexa 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.