

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

pREDCas9

RRID:Addgene_71541

Type: Plasmid

Proper Citation

RRID:Addgene_71541

Plasmid Information

URL: <http://www.addgene.org/71541>

Proper Citation: RRID:Addgene_71541

Insert Name: Cas9

Organism: S. pyogenes

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:26141150](#)

Vector Backbone Description: Vector Backbone:pSC101ts; Vector Types:Bacterial Expression; Bacterial Resistance:Spectinomycin

Comments: This plasmid is used for CRISPR mediated genome editing of E. coli

Plasmid Name: pREDCas9

Record Creation Time: 20220422T222440+0000

Record Last Update: 20260829T080943+0000

Ratings and Alerts

No rating or validation information has been found for pREDCas9.

No alerts have been found for pREDCas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Hina-Nilesh Joshi S, et al. (2026) SHARK: A Specialized Host for Assembling R6K Plasmids. ACS synthetic biology, 15(2), 867.

Yu H, et al. (2025) Lactate production by tumor-resident Staphylococcus promotes metastatic colonization in lung adenocarcinoma. Cell host & microbe, 33(7), 1089.

Butterworth LJ, et al. (2025) Replisomal coupling between the γ -pol III core and the γ -subunit of the clamp loader complex (CLC) are essential for genomic integrity in Escherichia coli. The Journal of biological chemistry, 301(2), 108177.

Joshi SH, et al. (2022) Inducible plasmid copy number control for synthetic biology in commonly used E. coli strains. Nature communications, 13(1), 6691.

Tellechea-Luzardo J, et al. (2020) Linking Engineered Cells to Their Digital Twins: A Version Control System for Strain Engineering. ACS synthetic biology, 9(3), 536.