

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

EcNR2 Strain

RRID:Addgene_26931

Type: Plasmid

Proper Citation

RRID:Addgene_26931

Plasmid Information

URL: <http://www.addgene.org/26931>

Proper Citation: RRID:Addgene_26931

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:19633652](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:N/A; Vector Types:E.coli bacterial strain; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: MG1655, bla, bio-, lambda-Red1, mutS-, cmR From the paper: mutS in EcNR1 was replaced with the chloramphenicol resistance gene (cmR cassette).

Plasmid Name: EcNR2 Strain

Record Creation Time: 20220422T222121+0000

Record Last Update: 20260725T074513+0000

Ratings and Alerts

No rating or validation information has been found for EcNR2 Strain.

No alerts have been found for EcNR2 Strain.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Hemez C, et al. (2024) Genomically recoded Escherichia coli with optimized functional phenotypes. bioRxiv : the preprint server for biology.

Zomorodi AR, et al. (2022) Computational design and engineering of an Escherichia coli strain producing the nonstandard amino acid para-aminophenylalanine. iScience, 25(7), 104562.

Kuiper BP, et al. (2022) Oligo Pools as an Affordable Source of Synthetic DNA for Cost-Effective Library Construction in Protein- and Metabolic Pathway Engineering. Chembiochem : a European journal of chemical biology, 23(7), e202100507.

Yi H, et al. (2021) Comparative Analyses of the Transcriptome and Proteome of Escherichia coli C321.2A and Further Improving Its Noncanonical Amino Acids Containing Protein Expression Ability by Integration of T7 RNA Polymerase. Frontiers in microbiology, 12, 744284.

Shams A, et al. (2021) Comprehensive deletion landscape of CRISPR-Cas9 identifies minimal RNA-guided DNA-binding modules. Nature communications, 12(1), 5664.

Konaté MM, et al. (2019) Molecular function limits divergent protein evolution on planetary timescales. eLife, 8.

Higgins SA, et al. (2017) Rapid and Programmable Protein Mutagenesis Using Plasmid Recombineering. ACS synthetic biology, 6(10), 1825.

Madison AC, et al. (2017) Scalable Device for Automated Microbial Electroporation in a Digital Microfluidic Platform. ACS synthetic biology, 6(9), 1701.

Kelsic ED, et al. (2016) RNA Structural Determinants of Optimal Codons Revealed by MAGE-Seq. Cell systems, 3(6), 563.

Ma NJ, et al. (2014) Precise manipulation of bacterial chromosomes by conjugative assembly genome engineering. Nature protocols, 9(10), 2285.