

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

E. coli K-12 MG1655 RARE

RRID:Addgene_61440

Type: Plasmid

Proper Citation

RRID:Addgene_61440

Plasmid Information

URL: <http://www.addgene.org/61440>

Proper Citation: RRID:Addgene_61440

Bacterial Resistance: None

Defining Citation: [PMID:25076127](#)

Vector Backbone Description: Backbone Size:4600000; Vector Backbone:E. coli K-12 MG1655 genome; Vector Types:; Bacterial Resistance:None

Comments: This strain carries the DE3 lysogen.

Plasmid Name: E. coli K-12 MG1655 RARE

Record Creation Time: 20220422T222352+0000

Record Last Update: 20260815T081742+0000

Ratings and Alerts

No rating or validation information has been found for E. coli K-12 MG1655 RARE.

No alerts have been found for E. coli K-12 MG1655 RARE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

von den Eichen N, et al. (2022) Control of parallelized bioreactors II: probabilistic quantification of carboxylic acid reductase activity for bioprocess optimization. *Bioprocess and biosystems engineering*, 45(12), 1939.

Chen X, et al. (2021) A linear DNA template-based framework for site-specific unnatural amino acid incorporation. *Synthetic and systems biotechnology*, 6(3), 192.

Dendooven T, et al. (2021) A cooperative PNPase-Hfq-RNA carrier complex facilitates bacterial riboregulation. *Molecular cell*, 81(14), 2901.

Ling JG, et al. (2020) A functionally-distinct carboxylic acid reductase PcCAR4 unearthed from a repertoire of type IV CARs in the white-rot fungus *Pycnoporus cinnabarinus*. *Journal of biotechnology*, 307, 55.

Kunjapur AM, et al. (2019) Development of a Vanillate Biosensor for the Vanillin Biosynthesis Pathway in *E. coli*. *ACS synthetic biology*, 8(9), 1958.

de Tymowski C, et al. (2019) CD89 Is a Potent Innate Receptor for Bacteria and Mediates Host Protection from Sepsis. *Cell reports*, 27(3), 762.

Kunjapur AM, et al. (2016) Deregulation of S-adenosylmethionine biosynthesis and regeneration improves methylation in the *E. coli* de novo vanillin biosynthesis pathway. *Microbial cell factories*, 15, 61.

Kunjapur AM, et al. (2015) Microbial engineering for aldehyde synthesis. *Applied and environmental microbiology*, 81(6), 1892.