

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 4, 2026

LacZ deficient (lac operon deletion) BL21-Gold-dLac (DE3) strain

RRID:Addgene_99247

Type: Plasmid

Proper Citation

RRID:Addgene_99247

Plasmid Information

URL: <http://www.addgene.org/99247>

Proper Citation: RRID:Addgene_99247

Bacterial Resistance: Tetracycline

Defining Citation: [PMID:28795570](#)

Vector Backbone Description: Vector Backbone:no vector; Vector Types:; Bacterial Resistance:Tetracycline

Comments: The strain is used for producing bacterial lysates with no beta-galactosidase activity.

Plasmid Name: LacZ deficient (lac operon deletion) BL21-Gold-dLac (DE3) strain

Record Creation Time: 20220422T222633+0000

Record Last Update: 20260902T050548+0000

Ratings and Alerts

No rating or validation information has been found for LacZ deficient (lac operon deletion) BL21-Gold-dLac (DE3) strain.

No alerts have been found for LacZ deficient (lac operon deletion) BL21-Gold-dLac (DE3) strain.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Roeselová A, et al. (2026) The ribosome synchronizes folding and assembly to promote oligomeric protein biogenesis. *Molecular cell*, 86(4), 693.

da Silva SJR, et al. (2026) International multisite implementation of distributed cell-free protein biomanufacturing to advance health and research equity. *Science advances*, 12(22), eaeb7039.

Cerda A, et al. (2025) Open educational resources for distributed hands-on teaching in molecular biology. *PloS one*, 20(8), e0327975.

Roeselová A, et al. (2024) Mechanism of chaperone coordination during cotranslational protein folding in bacteria. *Molecular cell*, 84(13), 2455.