

Resource Summary Report

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

[pLIC](#)

RRID:Addgene_27989

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/27989>

Proper Citation: RRID:Addgene_27989

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21091446](#)

Vector Backbone Description: Backbone Marker:Jie Yang Lab; Backbone Size:3300; Vector Backbone:pLIC; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid is used for a novel and straightforward ligation-independent cloning (LIC) method based on nicking DNA endonuclease (NiDE). To construct a NiDE-compatible pLIC vector, LacZ cDNA was amplified from a modified pMD18 construct by PCR using primers Laz-BglII-F and Laz-EcoR I-R. The β -galactosidase gene lacZ, including restriction endonuclease sites such as BamHI, Sall, PstI, and SphI, was amplified and then digested by BglII and EcoRI. It was then cloned into pRSETb plasmid between BamHI and EcoRI sites to generate the pLIC vector. See Author's Map and published article for more information.

Plasmid Name: pLIC

Record Creation Time: 20220422T222126+0000

Record Last Update: 20260725T074524+0000

Ratings and Alerts

No rating or validation information has been found for pLIC.

No alerts have been found for pLIC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Fadel F, et al. (2022) Insights into the atypical autokinase activity of the *Pseudomonas aeruginosa* GacS histidine kinase and its interaction with RetS. *Structure* (London, England : 1993), 30(9), 1285.