

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pOpen-ECOLigA

RRID:Addgene_165564

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165564>

Proper Citation: RRID:Addgene_165564

Insert Name: E. coli DNA Ligase

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pBuild; Vector Types:Synthetic Biology; Bacterial Resistance:Ampicillin

Comments: Connects preferentially cohesive double-stranded DNA ends, active on blunt end DNA in the presence of Ficoll or polyethylene glycol. Requires Mg²⁺ and NAD⁺. Ligation when blunt end or RNA/ DNA ligation needs to be avoided. The plasmids in the Open Enzyme collection contain genetic parts and are not functional by themselves. Researchers can clone these enzymes into an expression vector of their choice and then transform into E. coli bacteria for expression and purification. Additional information can be found at <https://www.addgene.org/depositor-collections/open-enzyme/>.

Plasmid Name: pOpen-ECOLigA

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-ECOLigA.

No alerts have been found for pOpen-ECOLigA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.