

Resource Summary Report

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

[pOpen-9N7lig](#)

RRID:Addgene_165514

Type: Plasmid

Proper Citation

RRID:Addgene_165514

Plasmid Information

URL: <http://www.addgene.org/165514>

Proper Citation: RRID:Addgene_165514

Insert Name: 9 Degrees North DNA Ligase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: 9 Degrees North DNA Ligase active at elevated temperatures (45-90 degrees C). Depends on the use of ATP and not NAD⁺ as a cofactor. 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-9N7lig

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080929+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-9N7lig.

No alerts have been found for pOpen-9N7lig.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.