

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

pOpen-Pfulig

RRID:Addgene_165525

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165525>

Proper Citation: RRID:Addgene_165525

Insert Name: Pfu DNA Ligase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair. Catalyzes template-dependent ligation at temperatures of about 30-80 degrees C, and substantially retains its catalytic activity when subjected to temperatures of about 85 degrees C to about 100 degrees C. 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-Pfulig

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

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

No alerts have been found for pOpen-Pfulig.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.