

Resource Summary Report

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

pOpen-phi29pol

RRID:Addgene_165573

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165573>

Proper Citation: RRID:Addgene_165573

Insert Name: phi29 DNA Polymerase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: DNA polymerase responsible for protein-primed viral DNA replication by strand displacement with high processivity and fidelity. Possesses three enzymatic activities: DNA synthesis (polymerase), primer terminal protein (TP) deoxynucleotidylation, and 3' to 5' exonuclease activity. 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-phi29pol

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-phi29pol.

No alerts have been found for pOpen-phi29pol.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.