Resource Summary Report

Generated by RRID on Aug 25, 2026

pOpen-BsupolLF

RRID:Addgene_165563
Type: Plasmid

Proper Citation

RRID:Addgene_165563

Plasmid Information

URL: http://www.addgene.org/165563

Proper Citation: RRID:Addgene_165563

Insert Name: Bsu DNA Polymerase I, Large Fragment

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Bsu DNA Polymerase I, Large Fragment retains the 5'-3' polymerase activity of the Bacillus subtilis DNA polymerase I, but lacks the 5'-3' exonuclease domain. This large fragment naturally lacks 3'-5' exonuclease activity. Applications include random primer labeling, second strand cDNA synthesis, single dA tailing, and strand displacement DNA synthesis. 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-BsupolLF

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

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

No alerts have been found for pOpen-BsupolLF.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.