

# 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.