

Resource Summary Report

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

pOpen-K12polLF (exo-)

RRID:Addgene_165522

Type: Plasmid

Proper Citation

RRID:Addgene_165522

Plasmid Information

URL: <http://www.addgene.org/165522>

Proper Citation: RRID:Addgene_165522

Insert Name: DNA Polymerase I, Large (Klenow) Fragment (3'-5' exo-)

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: DNA polymerase fragment used in fluorescent labelling for microarray, dA and dT tailing, and important in the process of ligating DNA adapters to DNA fragments. Frequently used in preparing DNA libraries for Next-Gen sequencing. The exo-Klenow polymerase is a mutant polymerase from the Klenow DNA polymerase large fragment that lacks 5'-3' polymerase activity and 3'-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-K12polLF (exo-)

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-K12polLF (exo-).

No alerts have been found for pOpen-K12polLF (exo-).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.