

Resource Summary Report

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

pOpen-Exonuclease III E. coli

RRID:Addgene_165571

Type: Plasmid

Proper Citation

RRID:Addgene_165571

Plasmid Information

URL: <http://www.addgene.org/165571>

Proper Citation: RRID:Addgene_165571

Insert Name: Exonuclease III E. coli

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Double-stranded DNA specific exonuclease. Initiates at the 3' termini of linear double-stranded DNA with 5' overhangs or blunt ends and 3' overhangs containing less than four bases. Initiates at nicked sites in double-stranded DNA. Catalyzes the removal of nucleotides from linear or nicked double-stranded DNA in the 3' to 5' direction. Ideal for site-directed mutagenesis, preparation of single-stranded DNA for dideoxy sequencing, preparation of nested deletions in double-stranded DNA. 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-Exonuclease III E. coli

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-Exonuclease III E. coli.

No alerts have been found for pOpen-Exonuclease III E. coli.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.