

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pOpen-Endonuclease IV E. coli

RRID:Addgene_165551

Type: Plasmid

Proper Citation

RRID:Addgene_165551

Plasmid Information

URL: <http://www.addgene.org/165551>

Proper Citation: RRID:Addgene_165551

Insert Name: Endonuclease IV E. coli

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Used in the preCR mix from NEB; DNA AP endonuclease; Catalyzes the cleavage of DNA phosphodiester backbone at AP sites via hydrolysis leaving a 1 nucleotide gap with 3'-hydroxyl and 5' deoxyribose phosphate (dRP) termini; Also has 3'-diesterase activity which can remove 3' phosphate, 3'-alpha, beta-unsaturated aldehyde, phosphoglycoaldehyde, and other 3' blocking groups. 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-Endonuclease IV 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-Endonuclease IV E. coli.

No alerts have been found for pOpen-Endonuclease IV E. coli.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.