Resource Summary Report

Generated by RRID on Aug 25, 2026

pOpen-Endonuclease VIII E. coli

RRID:Addgene_165561
Type: Plasmid

Proper Citation

RRID:Addgene_165561

Plasmid Information

URL: http://www.addgene.org/165561

Proper Citation: RRID:Addgene_165561

Insert Name: Endonuclease VIII 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; Bifunctional DNA glycosylase with DNA N-glycosylase and AP lyase activities; The N-glycosylase activity releases damaged pyrimidines, including thymine glycol and uracil glycol. The AP lyase activity cleaves DNA phosphodiester backbone at AP sites via beta and delta-elimination, creating a 1 nucleotide DNA gap with 5' and 3' phosphate termini. 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 VIII 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 VIII E. coli.

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.