

Resource Summary Report

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

pOpen-T7EI

RRID:Addgene_165540

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165540>

Proper Citation: RRID:Addgene_165540

Insert Name: T7EI (T7 Endonuclease I)

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: DNA Endonuclease; catalyzes the cleavage of DNA mismatches and non-beta DNA structures including Holliday junctions and cruciforms, leaving 3'-OH and 5'-phosphate. Best at C mismatches and does not recognize all DNA mismatches. To a lesser extent, cleaves across a nick in dsDNA; Key enzyme for use in genome editing mutation detection workflows. 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-T7EI

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-T7EI.

No alerts have been found for pOpen-T7EI.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.