

Resource Summary Report

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

pOpen-KTHEAQpol

RRID:Addgene_165542

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165542>

Proper Citation: RRID:Addgene_165542

Insert Name: KlenTaq1 polymerase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Exonuclease-free, N-terminal deletion mutant of Taq DNA polymerase. Comprises substantially the same amino acid sequence as that of *Thermus aquaticus* DNA polymerase, excluding the N-terminal 280 amino acid residues of *Thermus aquaticus* DNA polymerase. Used in combination with a very low level of a thermostable DNA polymerase exhibiting a 3'-exonuclease activity (Pfu, Vent, or Deep Vent) for long PCR. 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-KTHEAQpol

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

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

No alerts have been found for pOpen-KTHEAQpol.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.