

Resource Summary Report

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

[pOpen-TthpolA](#)

RRID:Addgene_165533

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165533>

Proper Citation: RRID:Addgene_165533

Insert Name: Tth DNA polymerase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: DNA Polymerase whose activity is resistant to prolonged incubations at high temperatures (95 degrees C); can therefore be used for PCR amplification of DNA fragments. Also accepts modified deoxyribonucleotides as substrates and can thus be used to label DNA fragments with radiolabeled nucleotides, digoxigenin, or biotin. Intrinsic Mn-dependent RT activity allows the enzyme to efficiently transcribe RNA targets into cDNA. Tth DNA Polymerase has been used for real time 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-TthpolA

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080930+0000

Ratings and Alerts

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

No alerts have been found for pOpen-TthpolA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.