

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

pOpen-THEAQpolA

RRID:Addgene_165512

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/165512>

Proper Citation: RRID:Addgene_165512

Insert Name: Taq DNA Polymerase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: DNA polymerase used in (routine) PCR method because of its high thermostability, standard testing, screening and output testing. Has a relatively high error rate because it lacks 3'-5' exonuclease activity and proofreading functionality. 5'-3' flap endonuclease degrades displaced strand. 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/> and https://freegenes.github.io/genes/BBF10K_003257.html.

Plasmid Name: pOpen-THEAQpolA

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260815T080929+0000

Ratings and Alerts

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

No alerts have been found for pOpen-THEAQpolA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.