

# Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

## pOpen-THEAQpolA

RRID:Addgene\_165512

Type: Plasmid

### Proper Citation

RRID:Addgene\_165512

### 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](https://freegenes.github.io/genes/BBF10K_003257.html).

**Plasmid Name:** pOpen-THEAQpolA

**Record Creation Time:** 20220422T221934+0000

**Record Last Update:** 20260912T092217+0000

### Ratings and Alerts

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

No alerts have been found for pOpen-THEAQpolA.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.