

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pOpen-T5gene122

RRID:Addgene_165544

Type: Plasmid

Proper Citation

RRID:Addgene_165544

Plasmid Information

URL: <http://www.addgene.org/165544>

Proper Citation: RRID:Addgene_165544

Insert Name: T5 DNA Polymerase

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Replicates viral genomic DNA. Possesses two enzymatic activities: DNA synthesis (polymerase) and an exonucleolytic activity that degrades single-stranded DNA in the 3'-5' direction for proofreading purposes. The DNA synthesis very likely occurs by strand displacement. 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-T5gene122

Record Creation Time: 20220422T221934+0000

Record Last Update: 20260725T074204+0000

Ratings and Alerts

No rating or validation information has been found for pOpen-T5gene122.

No alerts have been found for pOpen-T5gene122.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.