

Resource Summary Report

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

pTARA

RRID:Addgene_31491

Type: Plasmid

Proper Citation

RRID:Addgene_31491

Plasmid Information

URL: <http://www.addgene.org/31491>

Proper Citation: RRID:Addgene_31491

Insert Name: RNA polymerase

Organism: T7 phage

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:10610690](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pBAD33; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

Comments: For expression: E. coli CV2 N823D mutation should not affect plasmid function.

Plasmid Name: pTARA

Relevant Mutation: N823D

Record Creation Time: 20220422T222136+0000

Record Last Update: 20260815T081333+0000

Ratings and Alerts

No rating or validation information has been found for pTARA.

No alerts have been found for pTARA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Yang XW, et al. (2022) MutS functions as a clamp loader by positioning MutL on the DNA during mismatch repair. Nature communications, 13(1), 5808.

Zhou Y, et al. (2021) Thiol-based functional mimicry of phosphorylation of the two-component system response regulator ArcA promotes pathogenesis in enteric pathogens. Cell reports, 37(12), 110147.

Liu J, et al. (2019) MutL sliding clamps coordinate exonuclease-independent Escherichia coli mismatch repair. Nature communications, 10(1), 5294.

Baumschlager A, et al. (2017) Dynamic Blue Light-Inducible T7 RNA Polymerases (Opto-T7RNAPs) for Precise Spatiotemporal Gene Expression Control. ACS synthetic biology, 6(11), 2157.

Liu J, et al. (2016) Cascading MutS and MutL sliding clamps control DNA diffusion to activate mismatch repair. Nature, 539(7630), 583.