

Resource Summary Report

Generated by [RRID](#) on Aug 18, 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.