

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

pGEMABC

RRID:Addgene_45398

Type: Plasmid

Proper Citation

RRID:Addgene_45398

Plasmid Information

URL: <http://www.addgene.org/45398>

Proper Citation: RRID:Addgene_45398

Insert Name: rpoA

Organism: Escherichia coli

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23389035](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:3993; Vector Backbone:pGEMEX1; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pGEMABC

Record Creation Time: 20220422T222234+0000

Record Last Update: 20260815T081523+0000

Ratings and Alerts

No rating or validation information has been found for pGEMABC.

No alerts have been found for pGEMABC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Nara S, et al. (2021) In vitro amplification of whole large plasmids via transposon-mediated oriC insertion. *BioTechniques*, 71(4), 528.

Glyde R, et al. (2018) Structures of Bacterial RNA Polymerase Complexes Reveal the Mechanism of DNA Loading and Transcription Initiation. *Molecular cell*, 70(6), 1111.

Boyaci H, et al. (2018) Fidaxomicin jams *Mycobacterium tuberculosis* RNA polymerase motions needed for initiation via RbpA contacts. *eLife*, 7.

Glyde R, et al. (2017) Structures of RNA Polymerase Closed and Intermediate Complexes Reveal Mechanisms of DNA Opening and Transcription Initiation. *Molecular cell*, 67(1), 106.

Bae B, et al. (2015) Structure of a bacterial RNA polymerase holoenzyme open promoter complex. *eLife*, 4.

Davis E, et al. (2015) *Mycobacterial* RNA polymerase forms unstable open promoter complexes that are stabilized by CarD. *Nucleic acids research*, 43(1), 433.