

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pNB101

RRID:Addgene_169110

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/169110>

Proper Citation: RRID:Addgene_169110

Insert Name: araC

Organism: Escherichia coli K12 MG1655

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:35798732](#)

Vector Backbone Description: Backbone Size:2400; Vector Backbone:pNB101; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Kanamycin

Comments: Plasmid design adapted from Daniel R, Rubens JR, Sarpeshkar R, Lu TK. Synthetic analog computation in living cells. Nature. 2013 May;497(7451):619–23. Please visit <https://doi.org/10.1101/2021.03.26.437171> for bioRxiv preprint.

Plasmid Name: pNB101

Relevant Mutation: Codon optimized for E. coli

Record Creation Time: 20220710T080208+0000

Record Last Update: 20260815T082317+0000

Ratings and Alerts

No rating or validation information has been found for pNB101.

No alerts have been found for pNB101.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.