

Resource Summary Report

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

pAND

RRID:Addgene_49377

Type: Plasmid

Proper Citation

RRID:Addgene_49377

Plasmid Information

URL: <http://www.addgene.org/49377>

Proper Citation: RRID:Addgene_49377

Insert Name: AND gate

Organism: Other

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24316737](#)

Vector Backbone Description: Vector Backbone:pEXT20; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Kanamycin

Comments: AND gate controlled by Ptac and Ptet input promoters.

Plasmid Name: pAND

Record Creation Time: 20220422T222254+0000

Record Last Update: 20260815T081600+0000

Ratings and Alerts

No rating or validation information has been found for pAND.

No alerts have been found for pAND.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Mihajlovic L, et al. (2025) A direct experimental test of Ohno's hypothesis. eLife, 13.

Gao Y, et al. (2024) A hybrid transistor with transcriptionally controlled computation and plasticity. Nature communications, 15(1), 1598.

Gao Y, et al. (2023) A Hybrid Transistor with Transcriptionally Controlled Computation and Plasticity. bioRxiv : the preprint server for biology.