

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pCA24N-p50-ligase

RRID:Addgene_87742

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/87742>

Proper Citation: RRID:Addgene_87742

Insert Name: T4 DNA ligase

Organism: Other

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:23754529](#)

Vector Backbone Description: Backbone Marker:Kitagawa et al. (PMID:16769691);
Vector Backbone:pCA24N; Vector Types:Bacterial Expression; Bacterial
Resistance:Chloramphenicol

Comments: For complete cloning information, please see the paper's supplement. For expression, E. coli DH5a-E cells harbouring each expression vector were grown at 37°C in LB broth containing chloramphenicol (34 µg.ml⁻¹), to OD600 ~ 0.6. IPTG (0.4 mM, final concentration) was added as an inducer, and protein over-expression was at 28°C for 16-18 h.

Plasmid Name: pCA24N-p50-ligase

Record Creation Time: 20220422T222602+0000

Record Last Update: 20260815T082147+0000

Ratings and Alerts

No rating or validation information has been found for pCA24N-p50-ligase.

No alerts have been found for pCA24N-p50-ligase.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Porter JJ, et al. (2025) Anticodon Edited Transfer RNAs (ACE-tRNAs) Encoded as Therapeutic Nonviral Minimal DNA Vectors. bioRxiv : the preprint server for biology.