

# Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

## pCas1\_Cas2/3

RRID:Addgene\_89240

Type: Plasmid

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### Proper Citation

RRID:Addgene\_89240

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### Plasmid Information

**URL:** <http://www.addgene.org/89240>

**Proper Citation:** RRID:Addgene\_89240

**Insert Name:** Cas1 and Cas2/3

**Organism:** Pseudomonas aeruginosa PA14

**Bacterial Resistance:** Spectinomycin

**Defining Citation:** [PMID:28438998](#)

**Vector Backbone Description:** Vector Backbone:2S; Vector Types:; Bacterial Resistance:Spectinomycin

**Plasmid Name:** pCas1\_Cas2/3

**Record Creation Time:** 20220422T222607+0000

**Record Last Update:** 20260902T050442+0000

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### Ratings and Alerts

No rating or validation information has been found for pCas1\_Cas2/3.

No alerts have been found for pCas1\_Cas2/3.

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### Data and Source Information

**Source:** [Addgene](#)

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### Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Henriques WS, et al. (2025) Structures reveal how the Cas1-2/3 integrase captures, delivers, and integrates foreign DNA into CRISPR loci. Structure (London, England : 1993), 33(12), 2058.

Henriques WS, et al. (2025) Structures reveal how the Cas1-2/3 integrase captures, delivers, and integrates foreign DNA into CRISPR loci. bioRxiv : the preprint server for biology.

Santiago-Frangos A, et al. (2023) Structure reveals why genome folding is necessary for site-specific integration of foreign DNA into CRISPR arrays. Nature structural & molecular biology, 30(11), 1675.

Santiago-Frangos A, et al. (2021) Distribution and phasing of sequence motifs that facilitate CRISPR adaptation. Current biology : CB, 31(16), 3515.

Rollins MF, et al. (2019) Structure Reveals a Mechanism of CRISPR-RNA-Guided Nuclease Recruitment and Anti-CRISPR Viral Mimicry. Molecular cell, 74(1), 132.

Klompe SE, et al. (2019) Transposon-encoded CRISPR-Cas systems direct RNA-guided DNA integration. Nature, 571(7764), 219.