

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

pCas1_Cas2/3

RRID:Addgene_89240

Type: Plasmid

Proper Citation

RRID:Addgene_89240

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: 20260829T081232+0000

Ratings and Alerts

No rating or validation information has been found for pCas1_Cas2/3.

No alerts have been found for pCas1_Cas2/3.

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 [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.