

Resource Summary Report

Generated by [dkNET](#) on Sep 17, 2026

CMV-CASANOVA

RRID:Addgene_113035

Type: Plasmid

Proper Citation

RRID:Addgene_113035

Plasmid Information

URL: <http://www.addgene.org/113035>

Proper Citation: RRID:Addgene_113035

Insert Name: CASANOVA (for CRISPR/Cas9 activity switching via a novel optogenetic variant of AcrIIA4)

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30377362](#)

Vector Backbone Description: Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression, CRISPR, Synthetic Biology; Bacterial Resistance:Ampicillin

Comments: Addgene QC sequence analysis identified a mutation within NeoR/KanR, which results in an early stop codon. The effect of this mutation has not been determined experimentally. Ampicillin should be used for selection in bacteria.

Plasmid Name: CMV-CASANOVA

Record Creation Time: 20220422T221552+0000

Record Last Update: 20260912T091528+0000

Ratings and Alerts

No rating or validation information has been found for CMV-CASANOVA.

No alerts have been found for CMV-CASANOVA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Zou Q, et al. (2023) Photoactivatable base editors for spatiotemporally controlled genome editing in vivo. *Biomaterials*, 302, 122328.

Hoffmann MD, et al. (2021) Optogenetic control of *Neisseria meningitidis* Cas9 genome editing using an engineered, light-switchable anti-CRISPR protein. *Nucleic acids research*, 49(5), e29.