

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

Fuw-dCas9-Tet1CD-P2A-BFP

RRID:Addgene_108245

Type: Plasmid

Proper Citation

RRID:Addgene_108245

Plasmid Information

URL: <http://www.addgene.org/108245>

Proper Citation: RRID:Addgene_108245

Insert Name: dCas9-Tet1CD-HA-P2A-BFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29456084](#)

Vector Backbone Description: Backbone Size:9216; Vector Backbone:Fuw; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: Fuw-dCas9-Tet1CD-P2A-BFP

Relevant Mutation: dCas9-D10A, dCas9-H840A

Record Creation Time: 20220422T221525+0000

Record Last Update: 20260815T080118+0000

Ratings and Alerts

No rating or validation information has been found for Fuw-dCas9-Tet1CD-P2A-BFP.

No alerts have been found for Fuw-dCas9-Tet1CD-P2A-BFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Valc??rcel G, et al. (2025) Modulating immune cell fate and inflammation through CRISPR-mediated DNA methylation editing. *Science advances*, 11(29), eadt1644.

Rohm D, et al. (2025) Activation of the imprinted Prader-Willi syndrome locus by CRISPR-based epigenome editing. *Cell genomics*, 5(2), 100770.

Qian J, et al. (2024) CRISPR/dCas9-Tet1-Mediated DNA Methylation Editing. *Bio-protocol*, 14(8), e4976.

Rohm D, et al. (2024) Activation of the imprinted Prader-Willi Syndrome locus by CRISPR-based epigenome editing. *bioRxiv* : the preprint server for biology.

Lee HG, et al. (2023) Site-specific R-loops induce CGG repeat contraction and fragile X gene reactivation. *Cell*, 186(12), 2593.

Wilk C, et al. (2022) CRISPR/Cas9-mediated demethylation of FOXP3-TSDR toward Treg-characteristic programming of Jurkat T cells. *Cellular immunology*, 371, 104471.

Sapozhnikov DM, et al. (2021) Unraveling the functional role of DNA demethylation at specific promoters by targeted steric blockage of DNA methyltransferase with CRISPR/dCas9. *Nature communications*, 12(1), 5711.

Marney CB, et al. (2021) p53-intact cancers escape tumor suppression through loss of long noncoding RNA Dino. *Cell reports*, 35(13), 109329.

Graef JD, et al. (2020) Partial FMRP expression is sufficient to normalize neuronal hyperactivity in Fragile X neurons. *The European journal of neuroscience*, 51(10), 2143.

Douillet D, et al. (2020) Uncoupling histone H3K4 trimethylation from developmental gene expression via an equilibrium of COMPASS, Polycomb and DNA methylation. *Nature genetics*, 52(6), 615.

Halmai JANM, et al. (2020) Artificial escape from XCI by DNA methylation editing of the CDKL5 gene. *Nucleic acids research*, 48(5), 2372.