Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 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: 20260725T073439+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 PRECISE-TBI .

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.