Resource Summary Report

Generated by nidm-terms on Sep 20, 2026

pCFD3.1-w-dU6:3gRNA

RRID:Addgene_123366
Type: Plasmid

Proper Citation

RRID:Addgene_123366

Plasmid Information

URL: http://www.addgene.org/123366

Proper Citation: RRID:Addgene_123366

Insert Name: U6:3-gRNA

Organism: Drosophila melanogaster

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Fillip Port; Vector Backbone:pCFD3-dU6-3gRNA (Addgene 49410); Vector Types:Insect Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: When describing the use of this plasmid in publications, please state that it is derived from pCFD3 and cite: Port et al. Optimized CRISPR/Cas tools for efficient germline and somatic genome engineering in Drosophila. Proc Natl Acad Sci U S A. 2014 Jul 22;111(29):E2967-76. doi: 10.1073/pnas.1405500111 In pCFD3.1, the BbsI sites have been mutated in mini-white, which allows use of the remaining BbsI sites for gRNA cloning (using the protocol for pCFD3 (https://www.crisprflydesign.org/plasmids/)).

Plasmid Name: pCFD3.1-w-dU6:3gRNA

Record Creation Time: 20220422T221646+0000

Record Last Update: 20260919T090732+0000

Ratings and Alerts

No rating or validation information has been found for pCFD3.1-w-dU6:3gRNA.

No alerts have been found for pCFD3.1-w-dU6:3gRNA.

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 nidm-terms .

Yan Y, et al. (2024) Protocol for genetic engineering in Drosophila suzukii using microinjection. STAR protocols, 5(3), 103248.

Whittle EF, et al. (2023) Biallelic variants in OGDH encoding oxoglutarate dehydrogenase lead to a neurodevelopmental disorder characterized by global developmental delay, movement disorder, and metabolic abnormalities. Genetics in medicine : official journal of the American College of Medical Genetics, 25(2), 100332.

Raicu AM, et al. (2023) Retinoblastoma protein activity revealed by CRISPRi study of divergent Rbf1 and Rbf2 paralogs. bioRxiv : the preprint server for biology.

Hou Y, et al. (2023) Drosophila transition fibers are essential for IFT-dependent ciliary elongation but not basal body docking and ciliary budding. Current biology : CB, 33(4), 727.

Chilian M, et al. (2022) CRISPR/Cas9-mediated tissue-specific knockout and cDNA rescue using sgRNAs that target exon-intron junctions in Drosophila melanogaster. STAR protocols, 3(3), 101465.

Yap ZY, et al. (2021) Bi-allelic variants in OGDHL cause a neurodevelopmental spectrum disease featuring epilepsy, hearing loss, visual impairment, and ataxia. American journal of human genetics, 108(12), 2368.