

Resource Summary Report

Generated by [RRID](#) on Aug 18, 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: 20260815T080353+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 [RRID](#) .

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.