Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

pCFD3-dU6:3gRNA

RRID:Addgene_49410
Type: Plasmid

Proper Citation

RRID:Addgene_49410

Plasmid Information

URL: http://www.addgene.org/49410

Proper Citation: RRID:Addgene_49410

Insert Name: dU6-3:gRNA

Organism: Drosophila melanogaster

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25002478

Vector Backbone Description: Backbone Marker:Norbert Perrimon, Jian-Quan Ni, Harvard; Vector Backbone:pValium22; Vector Types:Insect Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Please acknowledge Fillip Port and Simon Bullock when publishing work derived from use of this plasmid. Visit crisprflydesign.org for more information.

Plasmid Name: pCFD3-dU6:3gRNA

Record Creation Time: 20220422T222254+0000

Record Last Update: 20220422T224227+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 55 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Haber DA, et al. (2024) Targeting mosquito X-chromosomes reveals complex transmission dynamics of sex ratio distorting gene drives. Nature communications, 15(1), 4983.

Ruan ZR, et al. (2024) Inter-organ steroid hormone signaling promotes myoblast fusion via direct transcriptional regulation of a single key effector gene. Current biology : CB.

Gallois M, et al. (2024) Pri peptides temporally coordinate transcriptional programs during epidermal differentiation. Science advances, 10(6), eadg8816.

McGee AV, et al. (2024) Modular vector assembly enables rapid assessment of emerging CRISPR technologies. Cell genomics, 4(3), 100519.

Miyamoto T, et al. (2024) Drosophila neuronal Glucose-6-Phosphatase is a modulator of neuropeptide release that regulates muscle glycogen stores via FMRFamide signaling. Proceedings of the National Academy of Sciences of the United States of America, 121(30), e2319958121.

Takagi S, et al. (2024) Olfactory sensory neuron population expansions influence projection neuron adaptation and enhance odour tracking. Nature communications, 15(1), 7041.

Ma D, et al. (2024) Timeless noncoding DNA contains cell-type preferential enhancers important for proper Drosophila circadian regulation. Proceedings of the National Academy of Sciences of the United States of America, 121(15), e2321338121.

Denaud S, et al. (2024) A PRE loop at the dac locus acts as a topological chromatin structure that restricts and specifies enhancer-promoter communication. Nature structural & molecular biology, 31(12), 1942.

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

Salvador-Garcia D, et al. (2024) A force-sensitive mutation reveals a non-canonical role for dynein in anaphase progression. The Journal of cell biology, 223(10).

Kawasaki K, et al. (2023) Functional coordination between transcription factor clustering and

gene activity. Molecular cell, 83(10), 1605.

Laursen WJ, et al. (2023) DMKPs provide a generalizable strategy for studying genes required for reproduction or viability in nontraditional model organisms. Genetics, 224(2).

Bosch JA, et al. (2023) Molecular and functional characterization of the Drosophila melanogaster conserved smORFome. Cell reports, 42(11), 113311.

di Pietro F, et al. (2023) Systematic analysis of RhoGEF/GAP localizations uncovers regulators of mechanosensing and junction formation during epithelial cell division. Current biology : CB, 33(5), 858.

Tsao DD, et al. (2023) A genetic strategy to measure insulin signaling regulation and physiology in Drosophila. PLoS genetics, 19(2), e1010619.

Y?lmaz VM, et al. (2023) Tropical super flies: Integrating Cas9 into Drosophila ananassae and its phenotypic effects. Journal of insect physiology, 147, 104516.

Jacquemyn J, et al. (2023) Parkinsonism mutations in DNAJC6 cause lipid defects and neurodegeneration that are rescued by Synj1. NPJ Parkinson's disease, 9(1), 19.

Joshi M, et al. (2023) Role of Rab5 early endosomes in regulating Drosophila gut antibacterial response. iScience, 26(8), 107335.

Takagi S, et al. (2023) Sensory neuron population expansion enhances odour tracking through relaxed projection neuron adaptation. bioRxiv : the preprint server for biology.

Bellec M, et al. (2022) The control of transcriptional memory by stable mitotic bookmarking. Nature communications, 13(1), 1176.