

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pHR-UCOE-SFFV-dCas9-mCherry-ZIM3-KRAB

RRID:Addgene_154473

Type: Plasmid

Proper Citation

RRID:Addgene_154473

Plasmid Information

URL: <http://www.addgene.org/154473>

Proper Citation: RRID:Addgene_154473

Insert Name: ZIM3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33020655](#)

Vector Backbone Description: Backbone Marker:Jonathan Weissman lab (Addgene plasmid #46911); Vector Backbone:pHR-SFFV-dCas9-BFP-KRAB; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pHR-UCOE-SFFV-dCas9-mCherry-ZIM3-KRAB

Relevant Mutation: Includes ZIM3 aa 1-100

Record Creation Time: 20220422T221846+0000

Record Last Update: 20260815T080750+0000

Ratings and Alerts

No rating or validation information has been found for pHR-UCOE-SFFV-dCas9-mCherry-ZIM3-KRAB.

No alerts have been found for pHR-UCOE-SFFV-dCas9-mCherry-ZIM3-KRAB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Zhang H, et al. (2026) Insights from pooled CRISPRi single-cell screens in K562 cells reveal gene functions, regulatory networks, and highlight opportunities and limitations. BMC genomics, 27(1).

Ho CH, et al. (2025) Genetic and epigenetic screens in primary human T cells link candidate causal autoimmune variants to T cell networks. Nature genetics, 57(10), 2536.

Lindenhofer D, et al. (2025) Functional phenotyping of genomic variants using joint multiomic single-cell DNA-RNA sequencing. Nature methods, 22(10), 2032.

Mukhi D, et al. (2025) The actin and microtubule network regulator WHAMM is identified as a key kidney disease risk gene. Cell reports, 44(4), 115462.

Hazan JM, et al. (2025) Protocol for simplified parallel perturbations using an abridged long non-coding RNA CRISPR library. STAR protocols, 6(4), 104110.

Do BT, et al. (2024) Nucleotide depletion promotes cell fate transitions by inducing DNA replication stress. Developmental cell, 59(16), 2203.

Heinson YW, et al. (2023) OptoDyCE-plate as an affordable high throughput imager for all optical cardiac electrophysiology. Journal of molecular and cellular cardiology plus, 6.

Han JL, et al. (2023) CRISPRi Gene Modulation and All-Optical Electrophysiology in Post-Differentiated Human iPSC-Cardiomyocytes. bioRxiv : the preprint server for biology.

Han JL, et al. (2023) CRISPRi gene modulation and all-optical electrophysiology in post-differentiated human iPSC-cardiomyocytes. Communications biology, 6(1), 1236.

Ramakrishnan AB, et al. (2021) Wnt target enhancer regulation by a CDX/TCF transcription factor collective and a novel DNA motif. Nucleic acids research, 49(15), 8625.