

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pLenti-tetON-KRAB-dCas9-DHFR-EF1a-TagRFP-2A-tet3G

RRID:Addgene_167935

Type: Plasmid

Proper Citation

RRID:Addgene_167935

Plasmid Information

URL: <http://www.addgene.org/167935>

Proper Citation: RRID:Addgene_167935

Insert Name: KRAB-dCas9-DHFR

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34612202](#)

Vector Backbone Description: Vector Backbone:pHAGE; Vector Types:Lentiviral;
Bacterial Resistance:Ampicillin

Comments: KRAB-dCas9 cloned from pAAVS1-NDi-CRISPRi (Gen1) (Addgene Plasmid #73497). Please visit <https://www.biorxiv.org/content/10.1101/2020.05.04.076067v2> for bioRxiv preprint.

Plasmid Name: pLenti-tetON-KRAB-dCas9-DHFR-EF1a-TagRFP-2A-tet3G

Record Creation Time: 20220422T221943+0000

Record Last Update: 20260815T080948+0000

Ratings and Alerts

No rating or validation information has been found for pLenti-tetON-KRAB-dCas9-DHFR-EF1a-TagRFP-2A-tet3G.

No alerts have been found for pLenti-tetON-KRAB-dCas9-DHFR-EF1a-TagRFP-2A-tet3G.

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](#) .

Tanka AT, et al. (2026) Integrative CRISPR Screening and RNA Analyses Discover an Essential Role for PUF60 Interactions with 3' Splice Sites in Cancer Progression. Cancer research, 86(7), 1586.

Lim K, et al. (2025) A novel human fetal lung-derived alveolar organoid model reveals mechanisms of surfactant protein C maturation relevant to interstitial lung disease. The EMBO journal, 44(3), 639.

Dong Z, et al. (2025) Hypoxia promotes airway differentiation in the human lung epithelium. Cell stem cell, 32(11), 1705.

Tian X, et al. (2025) Single-cell multiomics reveals a gene regulatory circuit driving leukemia cell differentiation. Oncogene, 44(19), 1350.

Lim K, et al. (2023) Organoid modeling of human fetal lung alveolar development reveals mechanisms of cell fate patterning and neonatal respiratory disease. Cell stem cell, 30(1), 20.

Sun D, et al. (2022) SOX9 maintains human foetal lung tip progenitor state by enhancing WNT and RTK signalling. The EMBO journal, 41(21), e111338.