# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 3, 2025

## pEF1a-FB-dCas9-puro

RRID:Addgene_100547
Type: Plasmid

### Proper Citation

RRID:Addgene_100547

### Plasmid Information

**URL:** http://www.addgene.org/100547

**Proper Citation:** RRID:Addgene_100547

**Insert Name:** N-terminal Flag and biotin-acceptor-site (FB)-tagged dCas9

**Organism:** Other

**Bacterial Resistance:** Ampicillin

**Defining Citation:** PMID:28841410

**Vector Backbone Description:** Backbone Size:7064; Vector Backbone:pEF1a-FB-puro; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

**Plasmid Name:** pEF1a-FB-dCas9-puro

**Record Creation Time:** 20220422T221448+0000

**Record Last Update:** 20220422T221452+0000

### Ratings and Alerts

No rating or validation information has been found for pEF1a-FB-dCas9-puro.

No alerts have been found for pEF1a-FB-dCas9-puro.

### Data and Source Information

**Source:** Addgene

## Usage and Citation Metrics

We found 5 mentions in open access literature.

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


Alkhayer R, et al. (2024) Protocol to target a promoter region in human embryonic kidney cells using the CRISPR-dCas9 system for single-locus proteomics. STAR protocols, 5(2), 103045.

Li S, et al. (2024) TERT upstream promoter methylation regulates TERT expression and acts as a therapeutic target in TERT promoter mutation-negative thyroid cancer. Cancer cell international, 24(1), 271.

Nargund AM, et al. (2022) Chromatin Rewiring by Mismatch Repair Protein MSH2 Alters Cell Adhesion Pathways and Sensitivity to BET Inhibition in Gastric Cancer. Cancer research, 82(14), 2538.

Han C, et al. (2022) Chromatin-associated orphan snoRNA regulates DNA damage-mediated differentiation via a non-canonical complex. Cell reports, 38(13), 110421.

Fan W, et al. (2021) SIRT1 regulates sphingolipid metabolism and neural differentiation of mouse embryonic stem cells through c-Myc-SMPDL3B. eLife, 10.