

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

pEF_dCas9

RRID:Addgene_68416

Type: Plasmid

Proper Citation

RRID:Addgene_68416

Plasmid Information

URL: <http://www.addgene.org/68416>

Proper Citation: RRID:Addgene_68416

Insert Name: dCas9

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26030444](#)

Vector Backbone Description: Backbone Marker:NEB; Vector Backbone:pNEB193;
Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Contains NLS sequences at the N- and C-terminus of the dCas9 protein. The C-terminal NLS immediately preceedes the 3xFLAG tag

Plasmid Name: pEF_dCas9

Relevant Mutation: D10A/H841A

Record Creation Time: 20220422T222426+0000

Record Last Update: 20260829T080916+0000

Ratings and Alerts

No rating or validation information has been found for pEF_dCas9.

No alerts have been found for pEF_dCas9.

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 [dkNET](#) .

Kaufmann C, et al. (2026) Comprehensive CRISPR/Cas9-based mutagenesis identifies single-amino acid substitutions that abrogate SPEN function in X inactivation. Nature communications, 17(1).

Shechner DM, et al. (2021) Targeting Noncoding RNA Domains to Genomic Loci with CRISPR-Display: Guidelines for Designing, Building, and Testing sgRNA-ncRNA Expression Constructs. Methods in molecular biology (Clifton, N.J.), 2162, 115.

Maass PG, et al. (2018) Inter-chromosomal Contact Properties in Live-Cell Imaging and in Hi-C. Molecular cell, 69(6), 1039.

Barutcu AR, et al. (2018) A TAD boundary is preserved upon deletion of the CTCF-rich Firre locus. Nature communications, 9(1), 1444.

Maass PG, et al. (2018) Spatiotemporal allele organization by allele-specific CRISPR live-cell imaging (SNP-CLING). Nature structural & molecular biology, 25(2), 176.