

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 21, 2026

[pCAG-hCas9](#)

RRID:Addgene_51142

Type: Plasmid

Proper Citation

RRID:Addgene_51142

Plasmid Information

URL: <http://www.addgene.org/51142>

Proper Citation: RRID:Addgene_51142

Insert Name: hCas9

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24084724](#)

Vector Backbone Description: Backbone Marker:clontech; Backbone Size:5800; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Kanamycin

Plasmid Name: pCAG-hCas9

Record Creation Time: 20220422T222301+0000

Record Last Update: 20260815T081611+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-hCas9.

No alerts have been found for pCAG-hCas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Lodewijk GA, et al. (2020) Evolution of Human Brain Size-Associated NOTCH2NL Genes Proceeds toward Reduced Protein Levels. *Molecular biology and evolution*, 37(9), 2531.

Oikawa D, et al. (2020) Cellular and Mathematical Analyses of LUBAC Involvement in T Cell Receptor-Mediated NF- κ B Activation Pathway. *Frontiers in immunology*, 11, 601926.

Horita M, et al. (2019) Involvement of ADAM12 in Chondrocyte Differentiation by Regulation of TGF- β 1-Induced IGF-1 and RUNX-2 Expressions. *Calcified tissue international*, 105(1), 97.

Wen X, et al. (2019) NOX1/NADPH oxidase regulates the expression of multidrug resistance-associated protein 1 and maintains intracellular glutathione levels. *The FEBS journal*, 286(4), 678.

Watanabe M, et al. (2019) Anephrogenic phenotype induced by SALL1 gene knockout in pigs. *Scientific reports*, 9(1), 8016.

Panaliappan TK, et al. (2018) Sox2 is required for olfactory pit formation and olfactory neurogenesis through BMP restriction and Hes5 upregulation. *Development (Cambridge, England)*, 145(2).

Iwata K, et al. (2018) Up-regulation of NOX1/NADPH oxidase following drug-induced myocardial injury promotes cardiac dysfunction and fibrosis. *Free radical biology & medicine*, 120, 277.

Morita S, et al. (2018) Editing of DNA Methylation Using dCas9-Peptide Repeat and scFv-TET1 Catalytic Domain Fusions. *Methods in molecular biology (Clifton, N.J.)*, 1767, 419.

Oikawa D, et al. (2018) Generation of Rat Monoclonal Antibodies Specific for DZIP3. *Monoclonal antibodies in immunodiagnosis and immunotherapy*, 37(3), 153.

Fiddes IT, et al. (2018) Human-Specific NOTCH2NL Genes Affect Notch Signaling and Cortical Neurogenesis. *Cell*, 173(6), 1356.

Horii T, et al. (2017) Genome Editing of Mouse by Cytoplasmic Injection. *Methods in molecular biology (Clifton, N.J.)*, 1630, 55.

Nakazawa S, et al. (2016) Linear ubiquitination is involved in the pathogenesis of optineurin-associated amyotrophic lateral sclerosis. *Nature communications*, 7, 12547.