

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pCas9_GFP

RRID:Addgene_44719

Type: Plasmid

Proper Citation

RRID:Addgene_44719

Plasmid Information

URL: <http://www.addgene.org/44719>

Proper Citation: RRID:Addgene_44719

Insert Name: Cas9-2A-GFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23561441](https://pubmed.ncbi.nlm.nih.gov/23561441/)

Vector Backbone Description: Backbone Size:4200; Vector Backbone:pCAG; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information on Musunuru Lab CRISPR Plasmids please refer to: <http://www.addgene.org/crispr/Musunuru/>

Plasmid Name: pCas9_GFP

Record Creation Time: 20220422T222231+0000

Record Last Update: 20260815T081518+0000

Ratings and Alerts

No rating or validation information has been found for pCas9_GFP.

No alerts have been found for pCas9_GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 182 mentions in open access literature.

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

Neve B, et al. (2026) Long non-coding RNA UCA1 modulates SMARCA2-containing SWI/SNF chromatin remodeling complexes in human colorectal cancer. *iScience*, 29(1), 114283.

Park SB, et al. (2026) Human pluripotent stem cell engineering with CRISPR-Cas9 for Parkinson's disease. *Experimental & molecular medicine*, 58(4), 993.

Lueg GA, et al. (2025) MYC deregulation sensitizes cancer cells to N-myristoyltransferase inhibition. *Cell reports*, 44(9), 116180.

Tobias IC, et al. (2025) A Sox2 enhancer cluster regulates region-specific neural fates from mouse embryonic stem cells. *G3 (Bethesda, Md.)*, 15(4).

Auwerx J, et al. (2025) The kinase domain of TRPM7 interacts with PAK1 and regulates pancreatic cancer cell epithelial-to-mesenchymal transition. *Cell death & disease*, 16(1), 335.

Moreira IB, et al. (2025) Neolactotetraosylceramide enables urinary detection of bladder cancer. *Cell reports. Medicine*, 6(8), 102246.

Chourasia S, et al. (2025) MTCH2 controls energy demand and expenditure to fuel anabolism during adipogenesis. *The EMBO journal*, 44(4), 1007.

Cao X, et al. (2025) Tissue microenvironment dictates the state of human iPSC-derived endothelial cells of distinct developmental origin in 3D cardiac microtissues. *iScience*, 28(10), 113611.

Mladenov E, et al. (2025) CRISPR/Cas9 generated DSB clusters mimic complex lesions induced by high-LET radiation and shift repair from c-NHEJ to mutagenic repair pathways. *Scientific reports*, 15(1), 36480.

Zhang X, et al. (2025) 3D-generation of high-purity midbrain dopaminergic progenitors and lineage-guided refinement of grafts supports Parkinson's disease cell therapy. *Cell stem cell*, 32(11), 1758.

Rajkumar S, et al. (2025) Loss of Ubiquitin-Specific Protease 11 Mitigates Pulmonary Fibrosis in Human Pluripotent Stem Cell-Derived Alveolar Organoids. *International journal of stem cells*, 18(2), 205.

Karapurkar JK, et al. (2025) Targeting USP11 counteracts SFTPC173T -associated interstitial lung disease in hiPSCs-derived alveolar organoids and in vivo models. *Theranostics*, 15(10), 4526.

Ohgushi M, et al. (2025) Stepwise strategy for generating human trophoblast stem-like cells from embryonic stem cells reveals specific role of TFAP2C in acquiring self-renewability. *Scientific reports*, 15(1), 19040.

Yan W, et al. (2025) Human stem cell-derived A10 dopaminergic neurons specifically integrate into mouse circuits and improve depression-like behaviors. *Cell stem cell*, 32(9), 1457.

Li H, et al. (2025) Effectiveness of Multivitamins vs Folic Acid on Prevention of Neural Tube Defects in Mouse Genetic Models and Human Organoids. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e13609.

Zhang Y, et al. (2025) Macropinocytosis maintains CAF subtype identity under metabolic stress in pancreatic cancer. *Cancer cell*, 43(9), 1677.

Sonti S, et al. (2024) Perturbation of the insomnia WDR90 genome-wide association studies locus pinpoints rs3752495 as a causal variant influencing distal expression of neighboring gene, PIG-Q. *Sleep*, 47(7).

Wang F, et al. (2024) Progesterone-mediated remodeling of the maternal-fetal interface by a PGRMC1-dependent mechanism. *Journal of reproductive immunology*, 163, 104244.

Lim LQJ, et al. (2024) ASS1 metabolically contributes to the nuclear and cytosolic p53-mediated DNA damage response. *Nature metabolism*, 6(7), 1294.

Leavens KF, et al. (2024) Generation of a fluorescent mNeonGreen insulin reporter line in the H1 (WA01) hESC background. *Stem cell research*, 81, 103559.