

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

lentiCas9-EGFP

RRID:Addgene_63592

Type: Plasmid

Proper Citation

RRID:Addgene_63592

Plasmid Information

URL: <http://www.addgene.org/63592>

Proper Citation: RRID:Addgene_63592

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25748654](#)

Vector Backbone Description: Vector Backbone:pFUGW; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Special note from the Zhang lab: We are constantly improving our CRISPR reagents. Please check <https://zlab.bio/> for the most up-to-date information.

Plasmid Name: lentiCas9-EGFP

Record Creation Time: 20220422T222404+0000

Record Last Update: 20260815T081804+0000

Ratings and Alerts

No rating or validation information has been found for lentiCas9-EGFP.

No alerts have been found for lentiCas9-EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Keshet G, et al. (2026) A single-cell CRISPR screen defines a gene regulatory network governing human pluripotency in primed and naive cells. *Cell reports*, 45(4), 117124.

Mödl B, et al. (2026) TYK2 Promotes Immunosurveillance of Colorectal Cancer Liver Metastasis. *Cancer research*, 86(1), 80.

Malouf C, et al. (2026) A microRNA expression signature in infant t(4;11) KMT2A::AFF1+ BCP-ALL uncovers novel therapeutic targets. *HemaSphere*, 10(4), e70353.

Lin Q, et al. (2026) Targeting RANKL-independent osteoclastogenesis overcomes denosumab resistance in models of ER+ breast cancer bone metastasis. *The Journal of clinical investigation*, 136(10).

Li J, et al. (2026) Single-cell screens identify ADAM12 as a fibroblast checkpoint impeding anti-tumor immunity. *Cancer cell*.

Rasbach E, et al. (2025) Targeting the tumor cell-intrinsic ITGB2 axis inhibits melanoma progression. *Molecular cancer*, 24(1), 310.

Cakiroglu E, et al. (2025) Genome-wide CRISPR screen identifies BUB1 kinase as a druggable vulnerability in malignant pleural mesothelioma. *Cell death & disease*, 16(1), 241.

Lößlein L, et al. (2025) TGF β controls checkpoints in CNS resident and infiltrating immune cells to promote resolution of inflammation. *Nature communications*, 16(1), 5344.

Scholten D, et al. (2025) Double-positive T cells form heterotypic clusters with circulating tumor cells to foster cancer metastasis. *The Journal of clinical investigation*, 135(18).

Taguchi A, et al. (2025) Single-cell activation screen identifies hepatic maturation regulators with zonal resolution. *Developmental cell*.

Hou J, et al. (2024) Integrated multi-omics analyses identify anti-viral host factors and pathways controlling SARS-CoV-2 infection. *Nature communications*, 15(1), 109.

Hofman T, et al. (2024) IFN γ mediates the resistance of tumor cells to distinct NK cell subsets. *Journal for immunotherapy of cancer*, 12(7).

Adnan Awad S, et al. (2024) Integrated drug profiling and CRISPR screening identify BCR::ABL1-independent vulnerabilities in chronic myeloid leukemia. *Cell reports. Medicine*, 5(5), 101521.

Linnerbauer M, et al. (2024) The astrocyte-produced growth factor HB-EGF limits autoimmune CNS pathology. *Nature immunology*, 25(3), 432.

Jin D, et al. (2023) mGluR5 from Primary Sensory Neurons Promotes Opioid-Induced Hyperalgesia and Tolerance by Interacting with and Potentiating Synaptic NMDA Receptors. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(31), 5593.

Zheng C, et al. (2023) CRISPR-Cas9-based functional interrogation of unconventional translatome reveals human cancer dependency on cryptic non-canonical open reading frames. *Nature structural & molecular biology*, 30(12), 1878.

Kendirli A, et al. (2023) A genome-wide in vivo CRISPR screen identifies essential regulators of T cell migration to the CNS in a multiple sclerosis model. *Nature neuroscience*, 26(10), 1713.

Ge Y, et al. (2023) Small Molecule-Activated O-GlcNAcase for Spatiotemporal Removal of O-GlcNAc in Live Cells. *ACS chemical biology*, 18(1), 193.

Dufva O, et al. (2023) Single-cell functional genomics reveals determinants of sensitivity and resistance to natural killer cells in blood cancers. *Immunity*, 56(12), 2816.

Schnoeder TM, et al. (2022) PLCG1 is required for AML1-ETO leukemia stem cell self-renewal. *Blood*, 139(7), 1080.