

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

pHIV-EGFP

RRID:Addgene_21373

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/21373>

Proper Citation: RRID:Addgene_21373

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18371425](#)

Vector Backbone Description: Backbone Size:6900; Vector Backbone:pSICO; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: HIV-EGFP is a self-inactivating lentiviral plasmid that was cloned by removing the U6-TATAlox-CMVie-EGFP-TATAlox- WPRE content of pSICO (Ventura et al., 2004), and adding the EF1-alpha promoter, a multiple cloning site (MCS), an internal ribosome entry site (IRES) and EGFP. A cDNA can be cloned into the MCS (HpaI, XbaI, SmaI, and BamHI sites) to enable bicistronic expression with EGFP. This construct was described in the publication: Cell Stem Cell. 2008 Jan 10. 2(1):90-102.

Plasmid Name: pHIV-EGFP

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260905T075353+0000

Ratings and Alerts

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

No alerts have been found for pHIV-EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 67 mentions in open access literature.

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

Viswanathan M, et al. (2026) TCR γ constant usage tunes human $\gamma\delta$ T cell antigen sensitivity, thymic programming, and peripheral function. *Science immunology*, 11(116), eadr7167.

Lyu H, et al. (2026) STING signaling modulation by COPII cargo recognition. *Cell*, 189(10), 2971.

Zhang Y, et al. (2026) NEK7 Cys298 is important for NLRP3 inflammasome and targetable by dimethyl fumarate. *Cell chemical biology*, 33(5), 711.

Su L, et al. (2026) ENPP1 blockade with a humanized monoclonal antibody enhances renal repair after acute kidney injury. *Cell stem cell*, 33(7), 1110.

Jiang K, et al. (2026) The Histone Modifier KANSL2 Is an Actionable Biomarker in Multiple Myeloma. *Molecular cancer therapeutics*, 25(6), 1016.

Feng Z, et al. (2025) Nanobody-Directed CEA-Targeting CAR T Cells Eliminate Gastrointestinal Cancer Xenografts. *Cancer immunology research*, 13(8), 1160.

Zeming KK, et al. (2025) Cell trajectory modulation: rapid microfluidic biophysical profiling of CAR T cell functional phenotypes. *Nature communications*, 16(1), 4775.

Lewis CA, et al. (2025) HIV-1 accessory protein Vpr possesses a cryptic p300-dependent transcription-promoting activity that is blocked by histone deacetylases in CD4⁺ T cells. *PLoS pathogens*, 21(9), e1013073.

Weiss S, et al. (2025) Atovaquone and selinexor as a novel combination treatment option in acute myeloid leukemia. *Cancer letters*, 613, 217501.

Eisen TJ, et al. (2025) BTK autoinhibition analyzed by high-throughput swaps of SH2 domains. *Proceedings of the National Academy of Sciences of the United States of America*, 122(41), e2502688122.

Gupta N, et al. (2025) Arrhythmogenic calmodulin variants D131E and Q135P disrupt interaction with the L-type voltage-gated Ca²⁺ channel (Cav1.2) and reduce Ca²⁺-dependent inactivation. *Acta physiologica (Oxford, England)*, 241(2), e14276.

Gordon KS, et al. (2025) Pooled screening for CAR function identifies novel IL-13R α 2-targeted CARs for treatment of glioblastoma. *Journal for immunotherapy of cancer*, 13(2).

Jeong J, et al. (2025) Defining core signaling pathways for supporting in vitro maintenance of pig extraembryonic endoderm (XEN) cells. *Reproduction (Cambridge, England)*, 169(4).

Nie H, et al. (2025) Implant Renal Injury-Responsive Cells to Supplement Erythropoietin and Protect Kidney Injury. *MedComm*, 6(11), e70438.

Yan Y, et al. (2025) Palmitoylation prevents B7-H4 lysosomal degradation sustaining tumor immune evasion. *Nature communications*, 16(1), 4254.

So CL, et al. (2025) TFE3 fusion oncoprotein condensates drive transcriptional reprogramming and cancer progression in translocation renal cell carcinoma. *Cell reports*, 44(4), 115539.

Erkek F, et al. (2025) CRISPR.BOT an autonomous platform for streamlined genetic engineering and molecular biology applications. *Scientific reports*, 15(1), 28699.

Eisen TJ, et al. (2025) Conditional requirement for dimerization of the membrane-binding module for BTK signaling in lymphocyte cell lines. *Science signaling*, 18(869), eado1252.

Lim RJ, et al. (2024) CXCL9/10-engineered dendritic cells promote T cell activation and enhance immune checkpoint blockade for lung cancer. *Cell reports. Medicine*, 5(4), 101479.

Gail EH, et al. (2024) Inseparable RNA binding and chromatin modification activities of a nucleosome-interacting surface in EZH2. *Nature genetics*, 56(6), 1193.