

Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

pHIV-H2BmRFP

RRID:Addgene_18982

Type: Plasmid

Proper Citation

RRID:Addgene_18982

Plasmid Information

URL: <http://www.addgene.org/18982>

Proper Citation: RRID:Addgene_18982

Insert Name: Histone H2B monomeric red fluorescent protein

Organism: Discosoma coral

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18371425](#)

Vector Backbone Description: Backbone Size:8046; Vector Backbone:HIV-Zsgreen; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: The HIV-H2BmRFP plasmid was cloned by replacing Zsgreen in HIV-Zsgreen with H2BmRFP to generate a bicistronic lentiviral vector. cDNA can be cloned into the multiple cloning site (HpaI, XbaI, SmaI) in order to coexpress the inserted gene with H2BmRFP. Gerrit Dijkgraaf in Zena Werb's lab cloned this virus.

Plasmid Name: pHIV-H2BmRFP

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260815T081141+0000

Ratings and Alerts

No rating or validation information has been found for pHIV-H2BmRFP.

No alerts have been found for pHIV-H2BmRFP.

Data and Source Information

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Krey K, et al. (2026) The ISG Atlas: a loss-of-function analysis characterizes antiviral properties of interferon stimulated genes. *Nature communications*, 17(1).

Kelly CL, et al. (2025) Hypoxia Dependent Inhibition of Glioblastoma Cell Proliferation, Invasion, and Metabolism by the Choline-Kinase Inhibitor JAS239. *Metabolites*, 15(2).

Ranamukhaarachchi SK, et al. (2025) Global versus local matrix remodeling drives rotational versus invasive collective migration of epithelial cells. *Developmental cell*, 60(6), 871.

Menegakis A, et al. (2025) A novel lineage-tracing tool reveals that hypoxic tumor cells drive tumor relapse after radiotherapy. *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*, 202, 110592.

Grit JL, et al. (2024) p53 modulates kinase inhibitor resistance and lineage plasticity in NF1-related MPNSTs. *Oncogene*, 43(19), 1411.

Sanz-Flores M, et al. (2024) PP2A-B55 phosphatase counteracts Ki-67-dependent chromosome individualization during mitosis. *Cell reports*, 43(7), 114494.

Huang Y, et al. (2024) Multi-omics characterization of the monkeypox virus infection. *Nature communications*, 15(1), 6778.

Annunziata C, et al. (2023) A versatile method for the identification of senolytic compounds. *Cell stress*, 7(12), 105.

Lin WH, et al. (2023) A Syx-RhoA-Dia1 signaling axis regulates cell cycle progression, DNA damage, and therapy resistance in glioblastoma. *JCI insight*, 8(13).

Bonilla-Pons SÀ, et al. (2022) Müller glia fused with adult stem cells undergo neural differentiation in human retinal models. *EBioMedicine*, 77, 103914.

Bergant V, et al. (2022) Attenuation of SARS-CoV-2 replication and associated inflammation by concomitant targeting of viral and host cap 2'-O-ribose methyltransferases. *The EMBO journal*, 41(17), e111608.

Saydam O, et al. (2021) Deficiency of Ku Induces Host Cell Exploitation in Human Cancer Cells. *Frontiers in cell and developmental biology*, 9, 651818.

Krause HB, et al. (2021) Design and implementation of a microfluidic device capable of temporal growth factor delivery reveal filtering capabilities of the EGFR/ERK pathway. *APL bioengineering*, 5(4), 046101.

Yin L, et al. (2021) Protein kinase RNA-activated controls mitotic progression and determines paclitaxel chemosensitivity through B-cell lymphoma 2 in ovarian cancer. *Oncogene*, 40(50), 6772.

Marangoni F, et al. (2021) Expansion of tumor-associated Treg cells upon disruption of a CTLA-4-dependent feedback loop. *Cell*, 184(15), 3998.

Meyer CT, et al. (2019) Quantifying Drug Combination Synergy along Potency and Efficacy Axes. *Cell systems*, 8(2), 97.

McKenna MT, et al. (2019) Leveraging Mathematical Modeling to Quantify Pharmacokinetic and Pharmacodynamic Pathways: Equivalent Dose Metric. *Frontiers in physiology*, 10, 616.

Abels ER, et al. (2019) Glioblastoma-Associated Microglia Reprogramming Is Mediated by Functional Transfer of Extracellular miR-21. *Cell reports*, 28(12), 3105.

Carter RJ, et al. (2019) Exploring the potential of BH3 mimetic therapy in squamous cell carcinoma of the head and neck. *Cell death & disease*, 10(12), 912.

Frade J, et al. (2019) Controlled ploidy reduction of pluripotent 4n cells generates 2n cells during mouse embryo development. *Science advances*, 5(10), eaax4199.