

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

PL-SIN-EF1?-EGFP

RRID:Addgene_21320

Type: Plasmid

Proper Citation

RRID:Addgene_21320

Plasmid Information

URL: <http://www.addgene.org/21320>

Proper Citation: RRID:Addgene_21320

Insert Name: Enhanced Green Fluorescence Protein

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19404254](#)

Vector Backbone Description: Backbone Marker:Buzina et al., PLoS Genetics, 2008; Backbone Size:6881; Vector Backbone:PL-SIN lentiviral vector; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: EGFP driven by ubiquitous EF1? promoter. PL-SIN lentiviral vector (Buzina et al., PLoS Genetics, 2008) requires Tat cDNA for lentivirus production, as well as other packaging cDNAs (Gag/pol, Rev, and VSV-G).

Plasmid Name: PL-SIN-EF1?-EGFP

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260829T080207+0000

Ratings and Alerts

No rating or validation information has been found for PL-SIN-EF1?-EGFP.

No alerts have been found for PL-SIN-EF1?-EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Hidalgo L, et al. (2023) Switchable CAR T cell strategy against osteosarcoma. *Cancer immunology, immunotherapy* : CII, 72(8), 2623.

Briukhovetska D, et al. (2023) T cell-derived interleukin-22 drives the expression of CD155 by cancer cells to suppress NK cell function and promote metastasis. *Immunity*, 56(1), 143.

Ramírez-Torres A, et al. (2022) Quantitative Proteomic Analysis of Cervical Cancer Tissues Identifies Proteins Associated With Cancer Progression. *Cancer genomics & proteomics*, 19(2), 241.

Nakajima K, et al. (2022) Sequential control of myeloid cell proliferation and differentiation by cytokine receptor-based chimeric antigen receptors. *PloS one*, 17(12), e0279409.

Namous H, et al. (2022) The Activation of Protamine 1 Using Epigenome Editing Decreases the Proliferation of Tumorigenic Cells. *Frontiers in genome editing*, 4, 844904.

Mok RSF, et al. (2022) Wide spectrum of neuronal and network phenotypes in human stem cell-derived excitatory neurons with Rett syndrome-associated MECP2 mutations. *Translational psychiatry*, 12(1), 450.

Díaz-Tejeda Y, et al. (2021) Nanog, in Cooperation with AP1, Increases the Expression of E6/E7 Oncogenes from HPV Types 16/18. *Viruses*, 13(8).

Katz DB, et al. (2020) An immortalized human adipose-derived stem cell line with highly enhanced chondrogenic properties. *Biochemical and biophysical research communications*, 530(1), 252.

Ruiz G, et al. (2019) Genes Involved in the Transcriptional Regulation of Pluripotency Are Expressed in Malignant Tumors of the Uterine Cervix and Can Induce Tumorigenic Capacity in a Nontumorigenic Cell Line. *Stem cells international*, 2019, 7683817.

Peskova L, et al. (2019) Oct4-mediated reprogramming induces embryonic-like microRNA expression signatures in human fibroblasts. *Scientific reports*, 9(1), 15759.

Nakabayashi H, et al. (2016) Differentiation signalobody: Demonstration of antigen-dependent osteoclast differentiation from a progenitor cell line. *Journal of bioscience and bioengineering*, 122(3), 357.

Hilton IB, et al. (2015) Epigenome editing by a CRISPR-Cas9-based acetyltransferase activates genes from promoters and enhancers. *Nature biotechnology*, 33(5), 510.

Brunger JM, et al. (2014) Scaffold-mediated lentiviral transduction for functional tissue engineering of cartilage. *Proceedings of the National Academy of Sciences of the United States of America*, 111(9), E798.