

Resource Summary Report

Generated by [NIF](#) on Aug 3, 2026

LeGO-V2

RRID:Addgene_27340

Type: Plasmid

Proper Citation

RRID:Addgene_27340

Plasmid Information

URL: <http://www.addgene.org/27340>

Proper Citation: RRID:Addgene_27340

Insert Name: SFFV promoter, Venus fluorescent protein

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18362927](#)

Vector Backbone Description: Backbone Size:6417; Vector Backbone:LeGO; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: HIV-1 derived third generation lentiviral vector for stable cell marking. Use second generation (like psPAX2) or third generation (like pMDLg/pRRE + pRSV-Rev) systems for packaging in addition to a VSV-G expressing plasmid (or another envelope protein). Please visit the LeGO-Vector home page for more information:
<http://www.LentiGO-Vectors.de>

Plasmid Name: LeGO-V2

Record Creation Time: 20220422T222123+0000

Record Last Update: 20260801T081101+0000

Ratings and Alerts

No rating or validation information has been found for LeGO-V2.

No alerts have been found for LeGO-V2.

Data and Source Information

Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Rauner G, et al. (2025) Next-Generation Breast Organoids Capture Human Organogenesis with High-Resolution Live Imaging. *bioRxiv : the preprint server for biology*.

Griffiths JI, et al. (2025) Cellular interactions within the immune microenvironment underpins resistance to cell cycle inhibition in breast cancers. *Nature communications*, 16(1), 2132.

Lewis SM, et al. (2025) LeGO-3D: 3D imaging of lung metastases and vascularisation using light sheet fluorescence microscopy. *Npj imaging*, 3(1), 58.

Hachey SJ, et al. (2025) Methods for Processing and Analyzing Images of Vascularized Micro-Organ and Tumor Systems. *bioRxiv : the preprint server for biology*.

Baglamis S, et al. (2025) Clonal dispersal is associated with tumor heterogeneity and poor prognosis in colorectal cancer. *iScience*, 28(5), 112403.

Griffiths JI, et al. (2025) Blocking cancer-fibroblast mutualism inhibits proliferation of endocrine therapy resistant breast cancer. *Molecular systems biology*, 21(7), 825.

Hachey SJ, et al. (2025) Methods for processing and analyzing images of vascularized micro-organ and tumor systems. *Frontiers in bioengineering and biotechnology*, 13, 1585003.

Zhang L, et al. (2025) GSK-3 and BCL-XL inhibition mitigates the competitive advantage of APC-mutant colorectal cancer cells. *Oncogenesis*, 14(1), 25.

Medina EF, et al. (2025) System analysis links SMARCD3 regulons to growth signaling and MEK inhibitor response in everolimus-resistant ER+ breast cancer cells. *Cell reports. Medicine*, 6(11), 102425.

Lin YY, et al. (2025) Colorectal cancer stem cells develop NK cell resistance via homotypic cell-in-cell structures suppressed by Stathmin1. *Theranostics*, 15(10), 4308.

Emond R, et al. (2024) A novel combination therapy for ER+ breast cancer suppresses drug resistance via an evolutionary double-bind. *bioRxiv : the preprint server for biology*.

Barry-Carroll L, et al. (2023) Microglia colonize the developing brain by clonal expansion of highly proliferative progenitors, following allometric scaling. *Cell reports*, 42(5), 112425.

Farmaki E, et al. (2023) ONC201/TIC10 enhances durability of mTOR inhibitor everolimus in metastatic ER+ breast cancer. *eLife*, 12.

Qian H, et al. (2023) High-Content and High-Throughput Clonogenic Survival Assay Using Fluorescence Barcoding. *Cancers*, 15(19).

Hachey SJ, et al. (2023) A human vascularized microtumor model of patient-derived colorectal cancer recapitulates clinical disease. *Translational research : the journal of laboratory and clinical medicine*, 255, 97.

Emond R, et al. (2023) Cell facilitation promotes growth and survival under drug pressure in breast cancer. *Nature communications*, 14(1), 3851.

Baglamis S, et al. (2023) Using picoliter droplet deposition to track clonal competition in adherent and organoid cancer cell cultures. *Scientific reports*, 13(1), 18832.

Fooks K, et al. (2022) EIF4A inhibition targets bioenergetic homeostasis in AML MOLM-14 cells in vitro and in vivo and synergizes with cytarabine and venetoclax. *Journal of experimental & clinical cancer research : CR*, 41(1), 340.

Tari H, et al. (2022) Quantification of spatial subclonal interactions enhancing the invasive phenotype of pediatric glioma. *Cell reports*, 40(9), 111283.

Rab?? M, et al. (2022) Cellular Heterogeneity and Cooperativity in Glioma Persister Cells Under Temozolomide Treatment. *Frontiers in cell and developmental biology*, 10, 835273.