

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

lentiGuide-Hygro-mTagBFP2

RRID:Addgene_99374

Type: Plasmid

Proper Citation

RRID:Addgene_99374

Plasmid Information

URL: <http://www.addgene.org/99374>

Proper Citation: RRID:Addgene_99374

Insert Name: S. pyogenes sgRNA cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28757163](#)

Vector Backbone Description: Backbone Size:9465; Vector Backbone:lentiGuide (plasmid #52963); Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Hygro sequence is from Addgene plasmid #61426 (generously shared by Feng Zhang Lab). "Genome-scale transcriptional activation by an engineered CRISPR-Cas9 complex.", Konermann et al.. 2014 mTagBFP2 sequence is from Addgene plasmid #34632 (generously shared by Vladislav Verkhusha Lab). "An enhanced monomeric blue fluorescent protein with the high chemical stability of the chromophore. ", Subach et al.. 2014

Plasmid Name: lentiGuide-Hygro-mTagBFP2

Record Creation Time: 20220422T222634+0000

Record Last Update: 20260815T082245+0000

Ratings and Alerts

No rating or validation information has been found for lentiGuide-Hygro-mTagBFP2.

No alerts have been found for lentiGuide-Hygro-mTagBFP2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Xu Y, et al. (2026) NF2 loss malignantly transforms human pancreatic acinar cells and enhances cell fitness under environmental stress. *The Journal of clinical investigation*, 136(1).

Michael Deans PJ, et al. (2026) Functional implications of polygenic risk for schizophrenia in human neurons. *Nature communications*, 17(1), 1355.

Zhao Z, et al. (2025) Sickle cell disease induces chromatin introversion and ferroptosis in CD8+ T cells to suppress anti-tumor immunity. *Immunity*, 58(6), 1484.

Kougnassoukou Tchara PE, et al. (2025) Coupling Proximity Biotinylation with Genomic Targeting to Characterize Locus-Specific Changes in Chromatin Environments. *Journal of proteome research*, 24(4), 1845.

Kozlova A, et al. (2025) PICALM Alzheimer's risk allele causes aberrant lipid droplets in microglia. *Nature*, 646(8087), 1178.

Lee D, et al. (2024) Plasticity of Human Microglia and Brain Perivascular Macrophages in Aging and Alzheimer's Disease. *medRxiv : the preprint server for health sciences*.

Przanowska RK, et al. (2024) Patient-derived response estimates from zero-passage organoids of luminal breast cancer. *Breast cancer research : BCR*, 26(1), 192.

Gan S, et al. (2024) Distinct tumor architectures and microenvironments for the initiation of breast cancer metastasis in the brain. *Cancer cell*, 42(10), 1693.

Przanowska RK, et al. (2024) Patient-derived response estimates from zero-passage organoids of luminal breast cancer. *bioRxiv : the preprint server for biology*.

Zhu K, et al. (2023) Multi-omic profiling of the developing human cerebral cortex at the single-cell level. *Science advances*, 9(41), eadg3754.

Chen C, et al. (2023) TROP2 translation mediated by dual m6A/m7G RNA modifications promotes bladder cancer development. *Cancer letters*, 566, 216246.

Gan S, et al. (2023) Distinct tumor architectures for metastatic colonization of the brain. *bioRxiv : the preprint server for biology*.

Dong P, et al. (2022) Population-level variation in enhancer expression identifies disease mechanisms in the human brain. *Nature genetics*, 54(10), 1493.

Voloudakis G, et al. (2022) A translational genomics approach identifies IL10RB as the top candidate gene target for COVID-19 susceptibility. NPJ genomic medicine, 7(1), 52.

Wan Z, et al. (2021) A robust vasculogenic microfluidic model using human immortalized endothelial cells and Thy1 positive fibroblasts. Biomaterials, 276, 121032.

Wang M, et al. (2021) Transformative Network Modeling of Multi-omics Data Reveals Detailed Circuits, Key Regulators, and Potential Therapeutics for Alzheimer's Disease. Neuron, 109(2), 257.

Li A, et al. (2021) Using the dCas9-KRAB system to repress gene expression in hiPSC-derived NGN2 neurons. STAR protocols, 2(2), 100580.