Resource Summary Report

Generated by PRECISE-TBI on Aug 23, 2026

EF.hICN1.CMV.GFP

RRID:Addgene_17623
Type: Plasmid

Proper Citation

RRID:Addgene_17623

Plasmid Information

URL: http://www.addgene.org/17623

Proper Citation: RRID:Addgene_17623

Insert Name: ICN1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16513761

Vector Backbone Description: Backbone Marker:Linzhao Cheng Lab; Backbone Size:8200; Vector Backbone:EF.v-CMV.GFP; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Addgene sequence shows that there is an A1902S mutation in Notch1 relative to NCBI sequences. This mutation is not known to affect function. The CMV promoter was inserted immediately upstream of GFP in the EF.GFP LV to make the intermediate LV, EF.V-CMV.GFP. hICN1 was cloned downstream of the EF-1a promoter. Recombinant LVs were produced by transient transfection of the transducing vector into 293T cells with two packaging vectors: pMD.G, a plasmid expressing the VSV-G envelope gene, and pCMVDeltaR8.91, a plasmid expressing the HIV-1 gag/pol, tat, and rev genes.

Plasmid Name: EF.hICN1.CMV.GFP

Record Creation Time: 20220422T222018+0000

Record Last Update: 20260815T081056+0000

Ratings and Alerts

No rating or validation information has been found for EF.hICN1.CMV.GFP.

No alerts have been found for EF.hICN1.CMV.GFP.

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 PRECISE-TBI .

Seo Y, et al. (2025) Actin dysregulation induces neuroendocrine plasticity and immune evasion: a vulnerability of small cell lung cancer. Nature communications, 17(1), 386.

Chan TS, et al. (2024) ASPM stabilizes the NOTCH intracellular domain 1 and promotes oncogenesis by blocking FBXW7 binding in hepatocellular carcinoma cells. Molecular oncology, 18(3), 562.

Lim J, et al. (2022) An enhanced triple fluorescence flow-cytometry-based assay shows differential activation of the Notch signaling pathway by human papillomavirus E6 proteins. Scientific reports, 12(1), 3000.

Wang F, et al. (2020) ABL1, Overexpressed in Hepatocellular Carcinomas, Regulates Expression of NOTCH1 and Promotes Development of Liver Tumors in Mice. Gastroenterology, 159(1), 289.

Ganguly SS, et al. (2020) Notch3 promotes prostate cancer-induced bone lesion development via MMP-3. Oncogene, 39(1), 204.

Miao K, et al. (2020) NOTCH1 activation compensates BRCA1 deficiency and promotes triple-negative breast cancer formation. Nature communications, 11(1), 3256.

Maier J, et al. (2019) Luminescent and fluorescent triple reporter plasmid constructs for Wnt, Hedgehog and Notch pathway. PloS one, 14(12), e0226570.

Kahn SA, et al. (2018) Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma. Nature communications, 9(1), 4121.

Ramakrishnan S, et al. (2017) Decitabine, a DNA-demethylating agent, promotes differentiation via NOTCH1 signaling and alters immune-related pathways in muscle-invasive bladder cancer. Cell death & disease, 8(12), 3217.

De Ford C, et al. (2016) The clerodane diterpene casearin J induces apoptosis of T-ALL cells through SERCA inhibition, oxidative stress, and interference with Notch1 signaling. Cell death & disease, 7(1), e2070.

Huang CK, et al. (2016) Anti-Tumor Effects of Second Generation ?-Hydroxylase Inhibitors on Cholangiocarcinoma Development and Progression. PloS one, 11(3), e0150336.

Hatch E, et al. (2015) Ethanol inhibits ?-secretase proteolytic activity in vascular smooth muscle cells. Alcoholism, clinical and experimental research, 39(11), 2115.

Lee SH, et al. (2014) Notch pathway targets proangiogenic regulator Sox17 to restrict angiogenesis. Circulation research, 115(2), 215.

Noisa P, et al. (2014) Notch signaling regulates the differentiation of neural crest from human pluripotent stem cells. Journal of cell science, 127(Pt 9), 2083.

Kitade M, et al. (2013) Specific fate decisions in adult hepatic progenitor cells driven by MET and EGFR signaling. Genes & development, 27(15), 1706.

Liu YP, et al. (2013) Cisplatin selects for multidrug-resistant CD133+ cells in lung adenocarcinoma by activating Notch signaling. Cancer research, 73(1), 406.

Wu N, et al. (2012) p63 regulates human keratinocyte proliferation via MYC-regulated gene network and differentiation commitment through cell adhesion-related gene network. The Journal of biological chemistry, 287(8), 5627.