Resource Summary Report

Generated by NIF on Jul 30, 2026

pSicoR-Ef1a-mCh-Puro

RRID:Addgene_31845
Type: Plasmid

Proper Citation

RRID:Addgene_31845

Plasmid Information

URL: http://www.addgene.org/31845

Proper Citation: RRID:Addgene_31845

Bacterial Resistance: Ampicillin

Defining Citation: PMID:20498046

Vector Backbone Description: Backbone Marker:Addgene plasmid #21907; Backbone Size:8141; Vector Backbone:pSicoR-mCH; Vector Types:Mammalian Expression, Lentiviral, RNAi, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: The pSicoR-Ef1?-mCh-Puro lentiviral construct was created by replacing the CMV promoter of pSicoR-mCherry (Addgene vector 21907) with Ef1? and adding an in-frame T2A-puromycin-resistance gene cassette following mCherry. A single RNA molecule is generated for mCherry-T2A-puromycin and two polypeptides are produced by the T2A ribosomal skip motif. The shRNA coding oligos are cloned into the HpaI and XhoI restriction sites as described for pSicoR.

Plasmid Name: pSicoR-Ef1a-mCh-Puro

Record Creation Time: 20220422T222138+0000

Record Last Update: 20260725T074546+0000

Ratings and Alerts

No rating or validation information has been found for pSicoR-Ef1a-mCh-Puro.

No alerts have been found for pSicoR-Ef1a-mCh-Puro.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Zhou DY, et al. (2024) Decreased CNNM2 expression in prefrontal cortex affects sensorimotor gating function, cognition, dendritic spine morphogenesis and risk of schizophrenia. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 49(2), 433.

Wang J, et al. (2023) Genetic regulatory and biological implications of the 10q24.32 schizophrenia risk locus. Brain : a journal of neurology, 146(4), 1403.

Bilodeau C, et al. (2021) TP63 basal cells are indispensable during endoderm differentiation into proximal airway cells on acellular lung scaffolds. NPJ Regenerative medicine, 6(1), 12.

Goranci-Buzhala G, et al. (2021) Cilium induction triggers differentiation of glioma stem cells. Cell reports, 36(10), 109656.

Kim SJ, et al. (2021) Phosphorylation of the RB C-terminus regulates condensin II release from chromatin. The Journal of biological chemistry, 296, 100108.

Lu L, et al. (2021) A Core Omnigenic Non-coding Trait Governing Dex-Induced Osteoporotic Effects Identified Without DEXA. Frontiers in pharmacology, 12, 750959.

Wang Z, et al. (2020) Hepatic miR-192-3p reactivation alleviates steatosis by targeting glucocorticoid receptor. JHEP reports : innovation in hepatology, 2(6), 100179.

Kim M, et al. (2020) Optimized Approaches for the Induction of Putative Canine Induced Pluripotent Stem Cells from Old Fibroblasts Using Synthetic RNAs. Animals : an open access journal from MDPI, 10(10).

Dalvi PS, et al. (2019) LSD1 Inhibition Attenuates Tumor Growth by Disrupting PLK1 Mitotic Pathway. Molecular cancer research : MCR, 17(6), 1326.

Zeng H, et al. (2018) Bi-allelic Loss of CDKN2A Initiates Melanoma Invasion via BRN2 Activation. Cancer cell, 34(1), 56.

Hughes AJ, et al. (2018) Engineered Tissue Folding by Mechanical Compaction of the Mesenchyme. Developmental cell, 44(2), 165.

Rustanti L, et al. (2018) Differential Effects of Strategies to Improve the Transduction Efficiency of Lentiviral Vector that Conveys an Anti-HIV Protein, Nullbasic, in Human T Cells. Virologica Sinica, 33(2), 142.

Sapoznik E, et al. (2018) A real-time monitoring platform of myogenesis regulators using double fluorescent labeling. PloS one, 13(2), e0192654.

Rawle DJ, et al. (2018) HIV-1 Uncoating and Reverse Transcription Require eEF1A Binding to Surface-Exposed Acidic Residues of the Reverse Transcriptase Thumb Domain. mBio, 9(2).

Bernard S, et al. (2018) CXCL1 Derived from Mammary Fibroblasts Promotes Progression of Mammary Lesions to Invasive Carcinoma through CXCR2 Dependent Mechanisms. Journal of mammary gland biology and neoplasia, 23(4), 249.

Wurm AA, et al. (2017) Disruption of the C/EBP?-miR-182 balance impairs granulocytic differentiation. Nature communications, 8(1), 46.

Dong F, et al. (2017) Polycistronic tRNA and CRISPR guide-RNA enables highly efficient multiplexed genome engineering in human cells. Biochemical and biophysical research communications, 482(4), 889.

Baker CM, et al. (2016) Development of ovine chorionic somatomammotropin hormone-deficient pregnancies. American journal of physiology. Regulatory, integrative and comparative physiology, 310(9), R837.

Kreitzer FR, et al. (2013) A robust method to derive functional neural crest cells from human pluripotent stem cells. American journal of stem cells, 2(2), 119.