

Resource Summary Report

Generated by [nidm-terms](#) on Aug 29, 2026

Puro.Cre empty vector

RRID:Addgene_17408

Type: Plasmid

Proper Citation

RRID:Addgene_17408

Plasmid Information

URL: <http://www.addgene.org/17408>

Proper Citation: RRID:Addgene_17408

Insert Name: Cre

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18308936](#)

Vector Backbone Description: Backbone Marker:Jacks Lab; Backbone Size:9200; Vector Backbone:Puro.Cre; Vector Types:Mammalian Expression, Lentiviral, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Puro.Cre was initially generated by amplification of PuroR from MSCV.Puro (Clontech) with PuroF (5'-CGCTGCGCCGAATTCATGACCGAGTACAAGCCCACG-3') and PuroR (5'-TAAGCGGCCGCTCGAGTCAGGCACCGGGCTTGCGGGTC-3'), digestion with EcoRI and NotI and cloning into UbC.Luciferase.PGK.Cre to generate Puro.Cre. For lentiviral packaging, you can use pCMV-delta-8.2 (Addgene #8455) and pCMV-VSV-G (Addgene #8454).

Plasmid Name: Puro.Cre empty vector

Record Creation Time: 20220422T222007+0000

Record Last Update: 20260829T080024+0000

Ratings and Alerts

No rating or validation information has been found for Puro.Cre empty vector.

No alerts have been found for Puro.Cre empty vector.

Data and Source Information

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Deb Roy A, et al. (2026) OptoTAT reveals microtubule acetylation as a rapid trigger for GEF-H1-mediated cell migration. *The Journal of cell biology*, 225(5).

Phung CD, et al. (2025) Combination of KRAS ASO and RIG-I agonist in extracellular vesicles transforms the tumor microenvironment towards effective treatment of KRAS-dependent cancers. *Theranostics*, 15(14), 6818.

Rodarte KE, et al. (2024) Neuroendocrine Differentiation in Prostate Cancer Requires ASCL1. *Cancer research*, 84(21), 3522.

Yang L, et al. (2024) Tissue-location-specific transcription programs drive tumor dependencies in colon cancer. *Nature communications*, 15(1), 1384.

Matsubayashi HT, et al. (2024) Non-catalytic role of phosphoinositide 3-kinase in mesenchymal cell migration through non-canonical induction of p85 β /AP2-mediated endocytosis. *Nature communications*, 15(1), 2612.

Roy AD, et al. (2024) Optogenetically Induced Microtubule Acetylation Unveils the Molecular Dynamics of Actin-Microtubule Crosstalk in Directed Cell Migration. *bioRxiv* : the preprint server for biology.

Tournaire G, et al. (2022) Skeletal progenitors preserve proliferation and self-renewal upon inhibition of mitochondrial respiration by rerouting the TCA cycle. *Cell reports*, 40(4), 111105.

LaPierre MP, et al. (2022) MicroRNA-7 regulates melanocortin circuits involved in mammalian energy homeostasis. *Nature communications*, 13(1), 5733.

Alexander CJ, et al. (2021) Myosin 18A β targets the guanine nucleotide exchange factor β -Pix to the dendritic spines of cerebellar Purkinje neurons and promotes spine maturation. *FASEB journal* : official publication of the Federation of American Societies for Experimental Biology, 35(1), e21092.

Qiao F, et al. (2021) Ctdp1 deficiency leads to early embryonic lethality in mice and defects in cell cycle progression in MEFs. *Biology open*, 10(1).

Thomas PA, et al. (2020) UXT in Sertoli cells is required for blood-testis barrier integrity†. *Biology of reproduction*, 103(4), 880.

Shan Y, et al. (2020) Dual-Color Single-Cell Imaging of the Suprachiasmatic Nucleus Reveals a Circadian Role in Network Synchrony. *Neuron*, 108(1), 164.

Kim S, et al. (2019) Epigenetic regulation of mammalian Hedgehog signaling to the stroma determines the molecular subtype of bladder cancer. *eLife*, 8.

Su X, et al. (2019) RNAase III-Type Enzyme Dicer Regulates Mitochondrial Fatty Acid Oxidative Metabolism in Cardiac Mesenchymal Stem Cells. *International journal of molecular sciences*, 20(22).

Tao Y, et al. (2019) Aging-like Spontaneous Epigenetic Silencing Facilitates Wnt Activation, Stemness, and BrafV600E-Induced Tumorigenesis. *Cancer cell*, 35(2), 315.

Berenguer J, et al. (2018) Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. *Journal of extracellular vesicles*, 7(1), 1446660.

Zhang K, et al. (2017) WNT/ β -Catenin Directs Self-Renewal Symmetric Cell Division of hTERT^{hi} Prostate Cancer Stem Cells. *Cancer research*, 77(9), 2534.

Nishimura M, et al. (2017) Kaposi's sarcoma-associated herpesvirus ORF34 is essential for late gene expression and virus production. *Scientific reports*, 7(1), 329.

Home P, et al. (2017) Genetic redundancy of GATA factors in the extraembryonic trophoblast lineage ensures the progression of preimplantation and postimplantation mammalian development. *Development (Cambridge, England)*, 144(5), 876.

de Jong PR, et al. (2016) ERK5 signalling rescues intestinal epithelial turnover and tumour cell proliferation upon ERK1/2 abrogation. *Nature communications*, 7, 11551.