

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 18, 2025

## 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

**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:** 20231115T080538+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.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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

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

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.

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.

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

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