

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

pMSCVhygro-Cre

RRID:Addgene_34565

Type: Plasmid

Proper Citation

RRID:Addgene_34565

Plasmid Information

URL: <http://www.addgene.org/34565>

Proper Citation: RRID:Addgene_34565

Insert Name: Cre

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20368440](#)

Vector Backbone Description: Backbone Size:7000; Vector Backbone:pMSCVhygro; Vector Types:Mammalian Expression, Retroviral, Cre/Lox; Bacterial Resistance:Ampicillin

Plasmid Name: pMSCVhygro-Cre

Record Creation Time: 20220422T222147+0000

Record Last Update: 20260808T081548+0000

Ratings and Alerts

No rating or validation information has been found for pMSCVhygro-Cre.

No alerts have been found for pMSCVhygro-Cre.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Garczyk M, et al. (2026) Targeting PI3K γ suppresses pancreatic cancer by dual disruption of fibrosis and immune evasion. *Cell reports*, 45(4), 117188.

Yamamuro T, et al. (2026) Mitochondrial control of glycerolipid synthesis by a PEP shuttle. *Cell*, 189(10), 2988.

Yamamuro T, et al. (2025) Mitochondria-derived PEP licenses glycerolipid synthesis via SLC25A35. *bioRxiv : the preprint server for biology*.

Gao Y, et al. (2025) T cell cholesterol transport links intestinal immune responses to dietary lipid absorption. *Science (New York, N.Y.)*, 390(6769), eadt4169.

Wang Q, et al. (2022) Post-translational control of beige fat biogenesis by PRDM16 stabilization. *Nature*, 609(7925), 151.

Le Roux Ö, et al. (2022) Genetically manipulating endogenous Kras levels and oncogenic mutations in vivo influences tissue patterning of murine tumorigenesis. *eLife*, 11.

Yoneshiro T, et al. (2021) Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. *eLife*, 10.

Saliakoura M, et al. (2020) PLC γ 1 suppression promotes the adaptation of KRAS-mutant lung adenocarcinomas to hypoxia. *Nature cell biology*, 22(11), 1382.

Oguri Y, et al. (2020) CD81 Controls Beige Fat Progenitor Cell Growth and Energy Balance via FAK Signaling. *Cell*, 182(3), 563.

Yoneshiro T, et al. (2019) BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. *Nature*, 572(7771), 614.

Chylinski K, et al. (2019) CRISPR-Switch regulates sgRNA activity by Cre recombination for sequential editing of two loci. *Nature communications*, 10(1), 5454.

Oldrini B, et al. (2018) Somatic genome editing with the RCAS-TVA-CRISPR-Cas9 system for precision tumor modeling. *Nature communications*, 9(1), 1466.

Rowbotham SP, et al. (2018) H3K9 methyltransferases and demethylases control lung tumor-propagating cells and lung cancer progression. *Nature communications*, 9(1), 4559.

Chen J, et al. (2018) Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. *Nature genetics*, 50(2), 219.