

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pPB-CAG-rtTA-IRES-Hygro

RRID:Addgene_102423

Type: Plasmid

Proper Citation

RRID:Addgene_102423

Plasmid Information

URL: <http://www.addgene.org/102423>

Proper Citation: RRID:Addgene_102423

Insert Name: tetracyclin-transactivator (rtTA)

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28504700](#)

Vector Backbone Description: Backbone Marker:Austin Smith lab; Vector Backbone:pPBCAG-rtTAM2-IN; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: IRES-Hygro was amplified from pLVX-IRES-Hyg (Clontech) for Gibson cloning using the following primers: Forward primer:
TTTTGACCTTGACATGCTCCCCGGGTAAAGCTCGAGACTAGTTCTAGAGCGGCCGCGGATC
Reverse primer:
CCATGATATTTCGGCAAGCAGGCATCGCCATGGCTATTCCTTTGCCCTCGGACGAGTGCTG

Plasmid Name: pPB-CAG-rtTA-IRES-Hygro

Record Creation Time: 20220422T221456+0000

Record Last Update: 20260815T080024+0000

Ratings and Alerts

No rating or validation information has been found for pPB-CAG-rtTA-IRES-Hygro.

No alerts have been found for pPB-CAG-rtTA-IRES-Hygro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

An Y, et al. (2025) APOBEC3A drives deaminase mutagenesis in human gastric epithelium. *Genome research*, 35(10), 2158.

Jeong M, et al. (2025) NF2 is Essential for Human Endoderm Development. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(17), e2410909.

Baatrup AM, et al. (2025) ETV1 is a key regulator of enteroendocrine PYY production. *Disease models & mechanisms*, 18(12).

Ahn JY, et al. (2024) Dual function of PHF16 in reinstating homeostasis of murine intestinal epithelium after crypt regeneration. *Developmental cell*, 59(23), 3089.

Vainorius G, et al. (2023) Ascl1 and Ngn2 convert mouse embryonic stem cells to neurons via functionally distinct paths. *Nature communications*, 14(1), 5341.

Naitou Y, et al. (2022) Dual role of Ovol2 on the germ cell lineage segregation during gastrulation in mouse embryogenesis. *Development* (Cambridge, England), 149(4).

Lee JH, et al. (2022) p57Kip2 imposes the reserve stem cell state of gastric chief cells. *Cell stem cell*, 29(5), 826.

Stolz P, et al. (2022) TET1 regulates gene expression and repression of endogenous retroviruses independent of DNA demethylation. *Nucleic acids research*, 50(15), 8491.

Sabatini PV, et al. (2021) tTARGIT AAVs mediate the sensitive and flexible manipulation of intersectional neuronal populations in mice. *eLife*, 10.

Chen H, et al. (2020) Structural and Functional Analyses of the FAM46C/Plk4 Complex. *Structure* (London, England : 1993), 28(8), 910.