

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pLOX-Ttag-iresTK

RRID:Addgene_12246

Type: Plasmid

Proper Citation

RRID:Addgene_12246

Plasmid Information

URL: <http://www.addgene.org/12246>

Proper Citation: RRID:Addgene_12246

Insert Name: SV40 Large T, HSV1-TK

Organism: Simian virus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11020357](#)

Vector Backbone Description: Backbone Size:12290; Vector Backbone:pHR'; Vector Types:Mammalian Expression, Lentiviral, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: CMV promoter is upstream of the bicistronic coding cassette with SV40-Large T and HSV1-TK. During reverse transcription U3 region of the 3'LTR, with LoxP, is duplicated; LoxP sites end up flanking the genome of the integrated provirus. Upon expression of Cre, provirus is excised. Please note that the full sequence for this plasmid is approximated and not fully verified--there will be discrepancies between Addgene's quality control sequence and the theoretical sequence from the depositor. Please visit the Trono lab <http://tronolab.epfl.ch> for cloning strategies, protocols, publications, and more.

Plasmid Name: pLOX-Ttag-iresTK

Relevant Mutation: LoxP in 3' LTR.

Record Creation Time: 20220422T221640+0000

Record Last Update: 20260815T080344+0000

Ratings and Alerts

No rating or validation information has been found for pLOX-Ttag-iresTK.

No alerts have been found for pLOX-Ttag-iresTK.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

You X, et al. (2025) The Generation of a Testicular Peritubular Cell Line from Giant Pandas (*Ailuropoda melanoleuca*). *Cells*, 14(18).

Gaudó P, et al. (2024) "ATAD3C regulates ATAD3A assembly and function in the mitochondrial membrane". *Free radical biology & medicine*, 211, 114.

Albericio G, et al. (2024) Development of a Bmi1+ Cardiac Mouse Progenitor Immortalized Model to Unravel the Relationship with Its Protective Vascular Endothelial Niche. *International journal of molecular sciences*, 25(16).

Tamargo-Gómez I, et al. (2023) Analysis of ATG4C function in vivo. *Autophagy*, 19(11), 2912.

Muñoz-Pujol G, et al. (2023) Leigh syndrome is the main clinical characteristic of PTCD3 deficiency. *Brain pathology (Zurich, Switzerland)*, 33(3), e13134.

Tamargo-Gómez I, et al. (2021) ATG4D is the main ATG8 delipidating enzyme in mammalian cells and protects against cerebellar neurodegeneration. *Cell death and differentiation*, 28(9), 2651.

Benincá C, et al. (2021) Mutation in the MICOS subunit gene APOO (MIC26) associated with an X-linked recessive mitochondrial myopathy, lactic acidosis, cognitive impairment and autistic features. *Journal of medical genetics*, 58(3), 155.

Zhang X, et al. (2020) Establishment and transcriptomic features of an immortalized hepatic cell line of the Chinese tree shrew. *Applied microbiology and biotechnology*, 104(20), 8813.

Protasoni M, et al. (2020) Novel compound heterozygous pathogenic variants in nucleotide-binding protein like protein (NUBPL) cause leukoencephalopathy with multi-systemic involvement. *Molecular genetics and metabolism*, 129(1), 26.

Zheng Y, et al. (2020) Establishment of cell lines with porcine spermatogonial stem cell properties. *Journal of animal science and biotechnology*, 11, 33.

Zanette V, et al. (2020) Neurodevelopmental regression, severe generalized dystonia, and metabolic acidosis caused by POLR3A mutations. *Neurology. Genetics*, 6(6), e521.

Tort F, et al. (2020) Biallelic mutations in NDUFA8 cause complex I deficiency in two siblings with favorable clinical evolution. *Molecular genetics and metabolism*, 131(3), 349.

Giacalone JC, et al. (2019) Generation of an immortalized human choroid endothelial cell line (iChEC-1) using an endothelial cell specific promoter. *Microvascular research*, 123, 50.

Reyes A, et al. (2019) RNase H1 Regulates Mitochondrial Transcription and Translation via the Degradation of 7S RNA. *Frontiers in genetics*, 10, 1393.

Signes A, et al. (2019) APOPT1/COA8 assists COX assembly and is oppositely regulated by UPS and ROS. *EMBO molecular medicine*, 11(1).

Reyes A, et al. (2018) Mutations in TIMM50 compromise cell survival in OxPhos-dependent metabolic conditions. *EMBO molecular medicine*, 10(10).

Best B, et al. (2018) VEGF/PKD-1 signaling mediates arteriogenic gene expression and angiogenic responses in reversible human microvascular endothelial cells with extended lifespan. *Molecular and cellular biochemistry*, 446(1-2), 199.

Vidoni S, et al. (2017) MR-1S Interacts with PET100 and PET117 in Module-Based Assembly of Human Cytochrome c Oxidase. *Cell reports*, 18(7), 1727.

Bottani E, et al. (2017) TTC19 Plays a Husbandry Role on UQCRC1 Turnover in the Biogenesis of Mitochondrial Respiratory Complex III. *Molecular cell*, 67(1), 96.

Kaminski MM, et al. (2016) Direct reprogramming of fibroblasts into renal tubular epithelial cells by defined transcription factors. *Nature cell biology*, 18(12), 1269.