

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pMK232 (CMV-OsTIR1-PURO)

RRID:Addgene_72834

Type: Plasmid

Proper Citation

RRID:Addgene_72834

Plasmid Information

URL: <http://www.addgene.org/72834>

Proper Citation: RRID:Addgene_72834

Insert Name: AAVS1-CMV-OsTIR1-PURO-AAVS1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27052166](#)

Vector Backbone Description: Backbone Size:3926; Vector Backbone:pBluescript; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This plasmid is based on AAVS1 hPGK-Puro-pA from Dr. Rudolf Jaenisch (Addgene #22072)(Hockemeyer et al. Nat. Biotech. 2009). After integration at the AAVS1 locus, OsTIR1 is constitutively expressed.

Plasmid Name: pMK232 (CMV-OsTIR1-PURO)

Record Creation Time: 20220422T222447+0000

Record Last Update: 20260815T081923+0000

Ratings and Alerts

No rating or validation information has been found for pMK232 (CMV-OsTIR1-PURO).

No alerts have been found for pMK232 (CMV-OsTIR1-PURO).

Data and Source Information

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Kanno S, et al. (2025) Precise Generation of Human Induced Pluripotent Stem Cell-derived Cell Lines Harboring Disease-relevant Single Nucleotide Variants Using a Prime Editing System. *Bio-protocol*, 15(4), e5191.

Fulcher LJ, et al. (2025) MDM2 functions as a timer reporting the length of mitosis. *Nature cell biology*, 27(2), 262.

Paatela EM, et al. (2025) A discrete region of the D4Z4 is sufficient to initiate epigenetic silencing. *Human molecular genetics*, 34(18), 1526.

Viushkov VS, et al. (2025) The Influence of Cohesin on the Short-Scale Dynamics of Intact and Damaged Chromatin in Different Phases of the Cell Cycle. *International journal of molecular sciences*, 26(18).

Paatela EM, et al. (2025) A discrete region of the D4Z4 is sufficient to initiate epigenetic silencing. *bioRxiv : the preprint server for biology*.

Cermakova K, et al. (2024) Reactivation of the G1 enhancer landscape underlies core circuitry addiction to SWI/SNF. *Nucleic acids research*, 52(1), 4.

Yun J, et al. (2024) Destabilized reporters for background-subtracted, chemically-gated, and multiplexed deep-tissue imaging. *Chemical science*, 15(28), 11108.

Pujadas Liwag EM, et al. (2024) Depletion of lamins B1 and B2 promotes chromatin mobility and induces differential gene expression by a mesoscale-motion-dependent mechanism. *Genome biology*, 25(1), 77.

Noviello G, et al. (2023) CasTuner is a degron and CRISPR/Cas-based toolkit for analog tuning of endogenous gene expression. *Nature communications*, 14(1), 3225.

Zheng D, et al. (2023) Daughter cell fate choice instructed preemptively by mother cells facing nutrient limitation. *iScience*, 26(7), 107198.

Yun J, et al. (2023) Engineering ligand stabilized aquaporin reporters for magnetic resonance imaging. *bioRxiv : the preprint server for biology*.

Kong N, et al. (2023) Protocol for biallelic tagging of an endogenous gene using CRISPR-Cas9 in human cells. *STAR protocols*, 4(2), 102286.

Iannone C, et al. (2023) PTBP1-activated co-transcriptional splicing controls epigenetic status of pluripotent stem cells. *Molecular cell*, 83(2), 203.

Kainov Y, et al. (2023) Protocol for auxin-inducible depletion of the RNA-binding protein PTBP1 in mouse embryonic stem cells. STAR protocols, 4(4), 102644.

Capece M, et al. (2023) A novel auxin-inducible degron system for rapid, cell cycle-specific targeted proteolysis. Cell death and differentiation, 30(9), 2078.

Kanno S, et al. (2022) Establishment of a developmental toxicity assay based on human iPSC reporter to detect FGF signal disruption. iScience, 25(2), 103770.

Yi Z, et al. (2022) Mammalian UPF3A and UPF3B can activate nonsense-mediated mRNA decay independently of their exon junction complex binding. The EMBO journal, 41(10), e109202.

Kanno S, et al. (2022) Luciferase assay system to monitor fibroblast growth factor signal disruption in human iPSCs. STAR protocols, 3(2), 101439.

Yunusova A, et al. (2021) Evaluation of the OsTIR1 and AtAFB2 AID Systems for Genome Architectural Protein Degradation in Mammalian Cells. Frontiers in molecular biosciences, 8, 757394.

Liu M, et al. (2021) Competition between two phosphatases fine-tunes Hedgehog signaling. The Journal of cell biology, 220(2).