

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

FUdeltaGW-rtTA

RRID:Addgene_19780

Type: Plasmid

Proper Citation

RRID:Addgene_19780

Plasmid Information

URL: <http://www.addgene.org/19780>

Proper Citation: RRID:Addgene_19780

Insert Name: reverse tetracycline transactivator

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18786420](#)

Vector Backbone Description: Backbone Size:8400; Vector Backbone:FUdeltaGW; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: From article, concerning viral infections: For a standard infection in a 35 mmdish (aprox 10^5 cells), 10 microL rtTA+5 microL factors (OCT4, SOX2, KLF4, and NANOG)+2 microL cMYC was used in an overnight infection supplemented with 6 microg/microL polybrene.

Plasmid Name: FUdeltaGW-rtTA

Record Creation Time: 20220422T222048+0000

Record Last Update: 20260815T081148+0000

Ratings and Alerts

No rating or validation information has been found for FUdeltaGW-rtTA.

No alerts have been found for FUdeltaGW-rtTA.

Data and Source Information

Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Halim DO, et al. (2026) APOE3 astrocytes can rescue lipid abnormalities and dystrophic neurites of APOE4 human neurons. PNAS nexus, 5(3), pgag053.

Gameiro-Ros I, et al. (2026) Uncovering NMDA receptor-mediated high firing activity in excitatory human neurons. iScience, 29(3), 115061.

Karabova MK, et al. (2026) Tracking tau and cellular responses in human iPSC-microglia: from uptake to seedable secretion, including in extracellular vesicles. Alzheimer's & dementia : the journal of the Alzheimer's Association, 22(4), e71337.

Lee H, et al. (2025) Contributions of Genetic Variation in Astrocytes to Cell and Molecular Mechanisms of Risk and Resilience to Late-Onset Alzheimer's Disease. Glia, 73(6), 1166.

Lynch AT, et al. (2025) HAND1 level controls the specification of multipotent cardiac and extraembryonic progenitors from human pluripotent stem cells. The EMBO journal, 44(9), 2541.

Kettunen P, et al. (2025) SARS-CoV-2 infection in hiPSC-derived neurons is cathepsin-dependent and causes differential accumulation of HIF1 α and phosphorylated tau. Molecular therapy. Nucleic acids, 36(4), 102726.

Yeh H, et al. (2025) Development and characterization of in vitro inducible immortalization of a murine microglia cell line for high throughput studies. Scientific reports, 15(1), 3207.

Lish AM, et al. (2025) Astrocyte induction of disease-associated microglia is suppressed by acute exposure to fAD neurons in human iPSC triple cultures. Cell reports, 44(6), 115777.

Lish AM, et al. (2025) Protocol for generating a human iPSC-derived tri-culture model to study interactions between neurons, astrocytes, and microglia. STAR protocols, 6(4), 104152.

Feringa FM, et al. (2025) The Neurolipid Atlas: a lipidomics resource for neurodegenerative diseases. Nature metabolism, 7(10), 2142.

El Yousfi Y, et al. (2025) Regulation of ER stress-induced apoptotic and inflammatory responses via YAP/TAZ-mediated control of the TRAIL-R2/DR5 signaling pathway. Cell death discovery, 11(1), 42.

Savchuk S, et al. (2025) Neuronal activity-dependent mechanisms of small cell lung cancer pathogenesis. Nature.

Augur ZM, et al. (2025) Genetic and proteomic analysis identifies BAG3 as an amyloid-responsive regulator of neuronal proteostasis. *Acta neuropathologica*, 150(1), 43.

Lee SI, et al. (2025) Imaging lipid rafts reveals the principle of ApoE4-induced A β upregulation in human neurons. *iScience*, 28(2), 111893.

Darieva Z, et al. (2025) Ubiquitous MEIS transcription factors actuate lineage-specific transcription to establish cell fate. *The EMBO journal*, 44(8), 2232.

Lish AM, et al. (2025) CLU alleviates Alzheimer's disease-relevant processes by modulating astrocyte reactivity and microglia-dependent synaptic density. *Neuron*, 113(12), 1925.

Augur ZM, et al. (2025) Optineurin deficiency disrupts phosphorylated tau proteostasis and clusterin expression in human neurons. *Acta neuropathologica communications*, 13(1), 188.

Jiang J, et al. (2024) Mutations in the postsynaptic density signaling hub TNIK disrupt PSD signaling in human models of neurodevelopmental disorders. *Frontiers in molecular neuroscience*, 17, 1359154.

Yheskel M, et al. (2024) KDM5-mediated transcriptional activation of ribosomal protein genes alters translation efficiency to regulate mitochondrial metabolism in neurons. *Nucleic acids research*, 52(11), 6201.

Guerra San Juan I, et al. (2024) KIF5A regulates axonal repair and time-dependent axonal transport of SFPQ granules and mitochondria in human motor neurons. *bioRxiv* : the preprint server for biology.