

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pAAV-PTRE-tight-hM3Dq-mCherry

RRID:Addgene_66795

Type: Plasmid

Proper Citation

RRID:Addgene_66795

Plasmid Information

URL: <http://www.addgene.org/66795>

Proper Citation: RRID:Addgene_66795

Insert Name: pTIGHT promoter-hM3Dq-mCherry

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25706476](#)

Vector Backbone Description: Backbone Size:3000; Vector Backbone:pUC; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: hM3Dq-mCherry reading frame was obtained from pAAV-hSyn-DIO-hM3D(Gq)-mCherry (Addgene plasmid #44361) and cloned in the sense orientation between the lox sites. Please see the associated publication for additional cloning details.

Plasmid Name: pAAV-PTRE-tight-hM3Dq-mCherry

Record Creation Time: 20220422T222419+0000

Record Last Update: 20260808T082017+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-PTRE-tight-hM3Dq-mCherry.

No alerts have been found for pAAV-PTRE-tight-hM3Dq-mCherry.

Data and Source Information

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Kupke J, et al. (2024) Dnmt3a1 regulates hippocampus-dependent memory via the downstream target Nrp1. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 49(10), 1528.

Brito DVC, et al. (2024) Biphasic Npas4 expression promotes inhibitory plasticity and suppression of fear memory consolidation in mice. *Molecular psychiatry*.

Uchino E, et al. (2024) Identification of hypothermia-inducing neurons in the preoptic area and activation of them by isoflurane anesthesia and central injection of adenosine. *The journal of physiological sciences : JPS*, 74(1), 33.

Stegemann A, et al. (2023) Prefrontal engrams of long-term fear memory perpetuate pain perception. *Nature neuroscience*, 26(5), 820.

Fernández-Blanco Á, et al. (2023) Defective engram allocation contributes to impaired fear memory performance in Down syndrome. *bioRxiv : the preprint server for biology*.

McDonough RC, et al. (2021) Targeted Gq-GPCR activation drives ER-dependent calcium oscillations in chondrocytes. *Cell calcium*, 94, 102363.

Poll S, et al. (2020) Memory trace interference impairs recall in a mouse model of Alzheimer's disease. *Nature neuroscience*, 23(8), 952.

Brebner LS, et al. (2020) The Emergence of a Stable Neuronal Ensemble from a Wider Pool of Activated Neurons in the Dorsal Medial Prefrontal Cortex during Appetitive Learning in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(2), 395.

Meissner-Bernard C, et al. (2019) Encoding of Odor Fear Memories in the Mouse Olfactory Cortex. *Current biology : CB*, 29(3), 367.

Rao-Ruiz P, et al. (2019) Engram-specific transcriptome profiling of contextual memory consolidation. *Nature communications*, 10(1), 2232.

Zhang TR, et al. (2019) Negative Memory Engrams in the Hippocampus Enhance the Susceptibility to Chronic Social Defeat Stress. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(38), 7576.

Wulaer B, et al. (2018) Repetitive and compulsive-like behaviors lead to cognitive dysfunction in *Disc1*^{2-3/2-3} mice. *Genes, brain, and behavior*, 17(8), e12478.

Harding EC, et al. (2018) A Neuronal Hub Binding Sleep Initiation and Body Cooling in Response to a Warm External Stimulus. *Current biology : CB*, 28(14), 2263.