

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[pAAV-Ef1a-DO-hChr2\(H134R\)-mCherry-WPRE-pA](#)

RRID:Addgene_37082

Type: Plasmid

Proper Citation

RRID:Addgene_37082

Plasmid Information

URL: <http://www.addgene.org/37082>

Proper Citation: RRID:Addgene_37082

Insert Name: hChr2(H134R)-mCherry

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22660328](#)

Vector Backbone Description: Backbone Marker:K. Deisseroth Lab; Backbone Size:5613; Vector Backbone:pAAV-Ef1a-DIO-hChr2(H134R)-mCherry-WPRE-pA; Vector Types:AAV, Cre/Lox, Cre-Off; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-Ef1a-DO-hChr2(H134R)-mCherry-WPRE-pA

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081412+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-DO-hChr2(H134R)-mCherry-WPRE-pA.

No alerts have been found for pAAV-Ef1a-DO-hChr2(H134R)-mCherry-WPRE-pA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Carta I, et al. (2025) Sex-specific hypothalamic neural projection activity drives caregiving in mice. *Nature communications*, 16(1), 4116.

Tu L, et al. (2023) Anoctamin 4 channel currents activate glucose-inhibited neurons in the mouse ventromedial hypothalamus during hypoglycemia. *The Journal of clinical investigation*, 133(14).

Brock O, et al. (2022) A Role for Thalamic Projection GABAergic Neurons in Circadian Responses to Light. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(49), 9158.

Yen TY, et al. (2022) Inhibitory projections connecting the dentate gyri in the two hemispheres support spatial and contextual memory. *Cell reports*, 39(7), 110831.

Pi??ol RA, et al. (2021) Preoptic BRS3 neurons increase body temperature and heart rate via multiple pathways. *Cell metabolism*, 33(7), 1389.

Saucisse N, et al. (2021) Functional heterogeneity of POMC neurons relies on mTORC1 signaling. *Cell reports*, 37(2), 109800.

Ellender TJ, et al. (2019) Embryonic progenitor pools generate diversity in fine-scale excitatory cortical subnetworks. *Nature communications*, 10(1), 5224.