

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

pAAV-Ef1a-DIO eNpHR 3.0-EYFP

RRID:Addgene_26966

Type: Plasmid

Proper Citation

RRID:Addgene_26966

Plasmid Information

URL: <http://www.addgene.org/26966>

Proper Citation: RRID:Addgene_26966

Insert Name: eNpHR 3.0

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20303157](#)

Vector Backbone Description: Backbone Size:5609; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: This plasmid contains the human elongation factor-1a promoter. Golgi export trafficking signal (TS) sequence is KSRITSEGEYIPLDQIDINV. ER export sequence is FCYENEV. For additional information please visit - <http://www.optogenetics.org>

Plasmid Name: pAAV-Ef1a-DIO eNpHR 3.0-EYFP

Relevant Mutation: ER export at 3' end of gene. Trafficking signal (TS) in between gene and fluorophore.

Record Creation Time: 20220422T222121+0000

Record Last Update: 20260815T081258+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-DIO eNpHR 3.0-EYFP.

No alerts have been found for pAAV-Ef1a-DIO eNpHR 3.0-EYFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 90 mentions in open access literature.

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

Folkes OM, et al. (2026) Social Novelty Recruits a Dysfunctional Nucleus Accumbens Ensemble That Drives Social Avoidance in a Shank3 ^{-/-} Autism Model. bioRxiv : the preprint server for biology.

Yamada Y, et al. (2026) Hindbrain neurons that underlie water discrimination and consumption. Current biology : CB, 36(7), 1787.

Cao Z, et al. (2026) The ventral hippocampus to paraventricular thalamus circuit regulates context-dependent hyperlocomotion through PAC1 receptor signaling in the chronic stress-induced PTSD mouse model. Translational psychiatry, 16(1).

Le QE, et al. (2026) Corticotropin-Releasing Factor and Somatostatin Neurons in the Central Amygdala Mediate Dynamic Defensive Behaviors during Fear Extinction. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(14).

Morishita Y, et al. (2026) Infralow histaminergic dynamics govern priming states to gate moment-to-moment memory accessibility. Neuron.

Hoang IB, et al. (2026) Methamphetamine potentiates the use of outcome-specific associations via a hypothalamic-dopamine circuit. Neuron.

Han Y, et al. (2026) Dorsal CA1 projections to nucleus accumbens and lateral septum differentially regulate social and locomotor behavior. Cerebral cortex (New York, N.Y. : 1991), 36(5).

Alyahyay M, et al. (2026) Mechanisms of premotor-motor cortex interactions during movement initiation. Cell reports, 45(6), 117542.

Ahmadlou M, et al. (2025) A subcortical switchboard for perseverative, exploratory and disengaged states. Nature, 641(8061), 151.

Liu Y, et al. (2025) A molecularly defined mPFC-BLA circuit specifically regulates social novelty preference. Science advances, 11(17), eadt9008.

Miyasaka A, et al. (2025) Sequential transitions of male sexual behaviors driven by dual acetylcholine-dopamine dynamics. Neuron, 113(8), 1240.

Yoshida E, et al. (2025) Whether or not to act is determined by distinct signals from motor thalamus and orbitofrontal cortex to secondary motor cortex. Nature communications, 16(1), 3106.

Yamada S, et al. (2025) Neuropeptide Y neurons in the basolateral amygdala project to the nucleus accumbens and stimulate high-fat intake. *Frontiers in cellular neuroscience*, 19, 1565939.

Chiang CC, et al. (2025) Cathodal weak direct current decreases epileptic excitability with reduced neuronal activity and enhanced delta oscillations. *The Journal of physiology*, 603(9), 2763.

Li Z, et al. (2025) Direction-selective laterodorsal thalamic nucleus encodes optic flow and turning in spatial navigation. *Neuron*, 113(20), 3424.

Rashid M, et al. (2025) A ventral hippocampal-lateral septum pathway regulates social novelty preference. *eLife*, 13.

Xue S, et al. (2025) Implantable Light-Powered Human Designer Cells for Electrical Energy Generation. *Advanced materials (Deerfield Beach, Fla.)*, 37(45), e02618.

Suh J, et al. (2025) Projection-specific roles of basolateral amygdala Thy1 neurons in alcohol-induced place preference. *Molecular psychiatry*.

Zhang X, et al. (2025) Dopamine induces fear extinction by activating the reward-responding amygdala neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 122(18), e2501331122.

Aubry AV, et al. (2025) A crucial role for the cortical amygdala in shaping social encounters. *Nature*, 639(8056), 1006.