# **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on May 7, 2024

# 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.

### 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 30 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Zachry JE, et al. (2024) D1 and D2 medium spiny neurons in the nucleus accumbens core have distinct and valence-independent roles in learning. Neuron, 112(5), 835.

Sharma S, et al. (2024) Inhibitory medial zona incerta pathway drives exploratory behavior by inhibiting glutamatergic cuneiform neurons. Nature communications, 15(1), 1160.

Li M, et al. (2024) A mesocortical glutamatergic pathway modulates neuropathic pain independent of dopamine co-release. Nature communications, 15(1), 643.

Xiao C, et al. (2023) Glutamatergic and GABAergic neurons in pontine central gray mediate opposing valence-specific behaviors through a global network. Neuron, 111(9), 1486.

Hwang KD, et al. (2023) Cerebellar nuclei neurons projecting to the lateral parabrachial nucleus modulate classical fear conditioning. Cell reports, 42(4), 112291.

Callahan JW, et al. (2023) Movement-related increases in subthalamic activity optimize locomotion. bioRxiv: the preprint server for biology.

Sullere S, et al. (2023) A cholinergic circuit that relieves pain despite opioid tolerance. Neuron, 111(21), 3414.

Seiler JL, et al. (2022) Dopamine signaling in the dorsomedial striatum promotes compulsive behavior. Current biology: CB, 32(5), 1175.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.

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.

Varani S, et al. (2022) Stimulus Feature-Specific Control of Layer 2/3 Subthreshold Whisker Responses by Layer 4 in the Mouse Primary Somatosensory Cortex. Cerebral cortex (New York, N.Y.: 1991), 32(7), 1419.

Seitz BM, et al. (2022) Dopamine errors drive excitatory and inhibitory components of backward conditioning in an outcome-specific manner. Current biology: CB, 32(14), 3210.

Yau JO, et al. (2021) The Roles of Basolateral Amygdala Parvalbumin Neurons in Fear

Learning. The Journal of neuroscience: the official journal of the Society for Neuroscience, 41(44), 9223.

Maksymetz J, et al. (2021) mGlu1 potentiation enhances prelimbic somatostatin interneuron activity to rescue schizophrenia-like physiological and cognitive deficits. Cell reports, 37(5), 109950.

Pribiag H, et al. (2021) Ventral pallidum DRD3 potentiates a pallido-habenular circuit driving accumbal dopamine release and cocaine seeking. Neuron, 109(13), 2165.

Lopez-Huerta VG, et al. (2021) Striatal bilateral control of skilled forelimb movement. Cell reports, 34(3), 108651.

Brown J, et al. (2021) Spatial integration during active tactile sensation drives orientation perception. Neuron, 109(10), 1707.

Siemian JN, et al. (2021) Lateral hypothalamic LEPR neurons drive appetitive but not consummatory behaviors. Cell reports, 36(8), 109615.

Naskar S, et al. (2021) Cell-type-specific recruitment of GABAergic interneurons in the primary somatosensory cortex by long-range inputs. Cell reports, 34(8), 108774.

Dudok B, et al. (2021) Recruitment and inhibitory action of hippocampal axo-axonic cells during behavior. Neuron, 109(23), 3838.