

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

pAAV-hSyn-eNpHR 3.0-EYFP

RRID:Addgene_26972

Type: Plasmid

Proper Citation

RRID:Addgene_26972

Plasmid Information

URL: <http://www.addgene.org/26972>

Proper Citation: RRID:Addgene_26972

Insert Name: eNpHR 3.0

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4570; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: This plasmid contains the human synapsin I promoter. For additional information please visit - <http://www.optogenetics.org>

Plasmid Name: pAAV-hSyn-eNpHR 3.0-EYFP

Relevant Mutation: Trafficking Signal (TS) ER Export Signal

Record Creation Time: 20220422T222121+0000

Record Last Update: 20260912T092525+0000

Ratings and Alerts

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

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

Data and Source Information

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

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

Cranfill SL, et al. (2025) Asymmetric lateral habenula function and peripheral neural mechanisms in regulating itch-evoked scratching. *Current biology : CB*, 35(24), 6180.

De Risi M, et al. (2025) Cortico-striatal circuit mechanisms drive the effects of D1 dopamine agonists on memory capacity in mice through cAMP/PKA signalling. *Nature communications*, 16(1), 2615.

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

Goh RCW, et al. (2025) The midline thalamic nucleus reuniens promotes compulsive-like grooming in rodents. *Translational psychiatry*, 15(1), 67.

Vega-Zuniga T, et al. (2025) A thalamic hub-and-spoke network enables visual perception during action by coordinating visuomotor dynamics. *Nature neuroscience*, 28(3), 627.

Hockley A, et al. (2025) Top-down prediction signals from the medial prefrontal cortex govern auditory cortex prediction errors. *Cell reports*, 44(4), 115538.

Liang T, et al. (2024) Disparate processing of numerosity and associated continuous magnitudes in rats. *Science advances*, 10(8), eadj2566.

Yau JO, et al. (2024) State- and Circuit-Dependent Opponent Processing of Fear. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(38).

Fraser KM, et al. (2024) Encoding and context-dependent control of reward consumption within the central nucleus of the amygdala. *iScience*, 27(5), 109652.

Fraser KM, et al. (2023) Encoding and context-dependent control of reward consumption within the central nucleus of the amygdala. *bioRxiv : the preprint server for biology*.

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

Choi EA, et al. (2022) A Corticothalamic Circuit Trades off Speed for Safety during Decision-Making under Motivational Conflict. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(16), 3473.

Schwitalla JC, et al. (2022) Controlling absence seizures from the cerebellar nuclei via activation of the Gq signaling pathway. *Cellular and molecular life sciences : CMLS*, 79(4),

Torromino G, et al. (2022) Thalamo-hippocampal pathway regulates incidental memory capacity in mice. *Nature communications*, 13(1), 4194.

Takahashi A, et al. (2022) Lateral habenula glutamatergic neurons projecting to the dorsal raphe nucleus promote aggressive arousal in mice. *Nature communications*, 13(1), 4039.

Cheng Q, et al. (2021) Differential signalling induced by $\alpha 7$ nicotinic acetylcholine receptors in hippocampal dentate gyrus in vitro and in vivo. *The Journal of physiology*, 599(20), 4687.

Rossi MA, et al. (2021) Transcriptional and functional divergence in lateral hypothalamic glutamate neurons projecting to the lateral habenula and ventral tegmental area. *Neuron*, 109(23), 3823.

Prasad AA, et al. (2020) Complementary Roles for Ventral Pallidum Cell Types and Their Projections in Relapse. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(4), 880.

Chou XL, et al. (2020) Contextual and cross-modality modulation of auditory cortical processing through pulvinar mediated suppression. *eLife*, 9.