

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 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: 20260815T081258+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 [dkNET](#) .

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.

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

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.

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.