

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pENN.AAV.hSyn.HI.eGFP-Cre.WPRE.SV40

RRID:Addgene_105540

Type: Plasmid

Proper Citation

RRID:Addgene_105540

Plasmid Information

URL: <http://www.addgene.org/105540>

Proper Citation: RRID:Addgene_105540

Insert Name: EGFP-Cre

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Penn Vector Core number p1848

Plasmid Name: pENN.AAV.hSyn.HI.eGFP-Cre.WPRE.SV40

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260725T073417+0000

Ratings and Alerts

No rating or validation information has been found for pENN.AAV.hSyn.HI.eGFP-Cre.WPRE.SV40.

No alerts have been found for pENN.AAV.hSyn.HI.eGFP-Cre.WPRE.SV40.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 89 mentions in open access literature.

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

Plotnikova AS, et al. (2026) Retrograde transduction of dopaminergic cells in substantia nigra of rhesus monkey. *bioRxiv : the preprint server for biology*.

Paundralingga OT, et al. (2026) Optogenetic stimulation of the median preoptic nucleus: Effects on hypothalamic paraventricular nucleus magnocellular neurons after chronic intermittent hypoxia exposure. *Journal of neuroendocrinology*, 38(1), e70100.

Zhang J, et al. (2025) Restoration of excitation/inhibition balance enhances neuronal signal-to-noise ratio and rescues social deficits in autism-associated *Scn2a*-deficiency. *bioRxiv : the preprint server for biology*.

Cai Y, et al. (2025) Subcellular proteomics and iPSC modeling uncover reversible mechanisms of axonal pathology in Alzheimer's disease. *Nature aging*, 5(3), 504.

Lee B, et al. (2025) Inflammatory and anti-inflammatory cytokines bidirectionally modulate amygdala circuits regulating anxiety. *Cell*, 188(8), 2190.

Patton MH, et al. (2025) Schizophrenia-associated 22q11.2 deletion elevates striatal acetylcholine and disrupts thalamostriatal projections to produce amotivation in mice. *bioRxiv : the preprint server for biology*.

Yang L, et al. (2025) Projection-TAGs enable multiplex projection tracing and multi-modal profiling of projection neurons. *Nature communications*, 16(1), 5557.

Biltz RG, et al. (2025) Repeated social defeat in male mice induced unique RNA profiles in projection neurons from the amygdala to the hippocampus. *Brain, behavior, & immunity - health*, 43, 100908.

Girotti M, et al. (2025) Involvement of a stress-responsive orbito-striatal projection in impulsive action in male rats. *The international journal of neuropsychopharmacology*, 28(7).

Maric S, et al. (2025) A Viral Labelling Study of Spinal Trigeminal Nucleus Caudalis Projection Neurons Targeting the Parabrachial Nucleus. *Journal of neurochemistry*, 169(3), e70028.

Oubraim S, et al. (2025) Astrocytic FABP5 mediates retrograde endocannabinoid transport at central synapses. *iScience*, 28(5), 112342.

Giona F, et al. (2025) Shank3 modulates Rpl3 expression and protein synthesis via mGlu5: implications for Phelan McDermid syndrome. *Molecular psychiatry*, 30(8), 3599.

Chaunsali L, et al. (2025) Degradation of perineuronal nets in hippocampal CA2 explains the loss of social cognition memory in Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(10), e70813.

Terceiro AF, et al. (2025) Intersectin1/cdc42 signaling regulates methamphetamine-induced neuronal remodeling in the hippocampus. *Cellular and molecular life sciences* :

CMLS, 82(1), 387.

Sharma D, et al. (2025) A myeloid Tet2-IL-1?? axis modulates intestinal inflammation by restricting catecholaminergic stimulation of enterochromaffin cell differentiation. *Immunity*, 58(11), 2785.

Charles KA, et al. (2025) Targeting the hypothalamic $\alpha 11$ nucleus to treat parkinsonian-like nociceptive impairments. *NPJ Parkinson's disease*, 11(1), 312.

Ferreira NL, et al. (2025) Leptin signaling in POMC neurons regulates plasma leptin levels and is critical to mediate hypothalamic-pituitary-adrenal axis activation during fasting. *Scientific reports*, 15(1), 25574.

Li M, et al. (2025) A circuit from the basolateral amygdala to hippocampal CA3 regulates social behavior. *Current biology : CB*.

Elam HB, et al. (2025) Inhibition of hippocampal or thalamic inputs to the nucleus accumbens reverses stress-induced alterations in dopamine system function. *The international journal of neuropsychopharmacology*, 28(6).

Avila C, et al. (2025) Cortico-striatal action control inherent of opponent cognitive-motivational styles. *eLife*, 13.