

# Resource Summary Report

Generated by [NIF](#) on Aug 20, 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:** 20260815T080053+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 98 mentions in open access literature.

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

Gu Z, et al. (2026) The External Globus Pallidus is a Basal Ganglia Output Hub with Action-Specific Circuits. *bioRxiv* : the preprint server for biology.

McMurray KMJ, et al. (2026) Projections from subfornical organ to infralimbic cortex modulate carbon dioxide associated fear. *bioRxiv* : the preprint server for biology.

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

Lee S, et al. (2026) Synthetic serum markers enable noninvasive monitoring of gene expression in primate brains. *Neuron*, 114(10), 1751.

Hasegawa K, et al. (2026) Age-related decline in nuclear envelope LINC complex drives neuronal aging via axon initial segment dysfunction. *EMBO reports*, 27(13), 3788.

Mitsui K, et al. (2026) Lateral hypothalamus to dorsal raphe nucleus projections modulate intraspecific attack behavior in male mice. *iScience*, 29(4), 115427.

Shaw L, et al. (2026) Projection-specific intersectional optogenetics for precise excitation and inhibition in the marmoset brain. *Cell reports methods*, 6(4), 101368.

Howe JR, et al. (2026) Control of innate olfactory valence by segregated cortical amygdala circuits. *eLife*, 14.

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.

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.

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.

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

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.

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

Roura-Martinez D, et al. (2025) Combination of Cas9 and adeno-associated vectors enables efficient in vivo knockdown of precise miRNAs in the rodent and primate brain. *Proceedings of the National Academy of Sciences of the United States of America*,

122(50), e2513076122.

Rehg JJ, et al. (2025) Top-down control of sustained attention by the medial prefrontal cortex (mPFC) - locus coeruleus (LC) circuit during the rodent continuous performance test (rCPT). *bioRxiv : the preprint server for biology*.

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).

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

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.