

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 23, 2026

pENN.AAV.hSyn.Cre.WPRE.hGH

RRID:Addgene_105553

Type: Plasmid

Proper Citation

RRID:Addgene_105553

Plasmid Information

URL: <http://www.addgene.org/105553>

Proper Citation: RRID:Addgene_105553

Insert Name: 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 p2676

Plasmid Name: pENN.AAV.hSyn.Cre.WPRE.hGH

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.Cre.WPRE.hGH.

No alerts have been found for pENN.AAV.hSyn.Cre.WPRE.hGH.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 186 mentions in open access literature.

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

Kobayashi-Sakashita M, et al. (2026) Alarm pheromone activates posterior medial amygdala-to-bed nucleus of the stria terminalis projections in male rats. *Neuroscience*, 593, 78.

Cruz-Sanchez A, et al. (2026) Maturation of hippocampus-medial prefrontal cortex projections defines a pathway-specific sensitive period for cognitive flexibility. *Cell reports*, 45(1), 116812.

Li Y, et al. (2026) A spatial and projection-based transcriptomic atlas of paraventricular hypothalamic cell types. *Cell reports*, 45(2), 116904.

McDonald AJ, et al. (2026) A versatile, positive-going voltage indicator that enables accessible two-photon recordings in vivo. *bioRxiv : the preprint server for biology*.

de Sousa AF, et al. (2026) The prefrontal cortex controls memory organization in the hippocampus. *Nature neuroscience*, 29(5), 1191.

Nowacka A, et al. (2026) Synapse-specific and plasticity-regulated AMPA receptor mobility tunes synaptic integration. *Neuron*, 114(6), 1083.

Geibl FF, et al. (2026) Mapping cellular vulnerability in Parkinson's disease using retro-AAVs and preformed ??-synuclein fibrils. *Translational neurodegeneration*, 15(1), 2.

Jung F, et al. (2026) DMC-BrainMap is an open-source, end-to-end tool for multi-feature brain mapping in different species. *Cell reports methods*, 6(2), 101302.

Yamada Y, et al. (2026) Hindbrain neurons that underlie water discrimination and consumption. *Current biology : CB*, 36(7), 1787.

Li M, et al. (2026) Activation by Alcohol of Prefrontal Layer 5 Pyramidal Neurons Depends on Ascending Dopaminergic Input. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(20).

Kong D, et al. (2026) Acsl4-mediated Lipid Homeostasis Orchestrates Synaptic and Cognitive Plasticity. *Research square*.

Robinson KJ, et al. (2026) Using fibre photometry with a fluorescence resonance energy transfer-based biosensor to test efficacy of calpain inhibitors in vivo. *Brain communications*, 8(3), fcag150.

Calzoni A, et al. (2026) Visual field position shapes input sampling and output routing in the superior colliculus. *bioRxiv : the preprint server for biology*.

Chen SY, et al. (2026) Activity-dependent development of vocal circuits in the neonatal rodent forebrain. *EMBO reports*, 27(13), 3632.

Jiang Q, et al. (2026) Psilocybin triggers an activity-dependent rewiring of large-scale cortical networks. *Cell*, 189(2), 659.

Land MA, et al. (2026) Designer indicators for two-photon recording of subthreshold voltage dynamics. *Nature methods*, 23(5), 986.

Dao N, et al. (2026) Paratenial thalamus engages in reciprocal and broadcast circuits with the prefrontal cortex. *bioRxiv : the preprint server for biology*.

Han J, et al. (2026) Chemogenetic modulation of the prelimbic cortex to the nucleus accumbens core pathway reduces cocaine-induced increase of risk preference. *Translational psychiatry*, 16(1).

Scheib J, et al. (2026) Distinct sensorimotor encoding in tuft dendrites and somata associated with action, correction, and learning. *bioRxiv : the preprint server for biology*.

Cover KK, et al. (2026) A Distinct Circuit for Biasing Visual Perceptual Decisions and Modulating Superior Colliculus Activity through the Mouse Posterior Striatum. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 46(7).