

Resource Summary Report

Generated by [NIF](#) on Jul 30, 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: 20260725T073417+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 161 mentions in open access literature.

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

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.

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.

Zhang X, et al. (2025) Mediodorsal thalamus regulates task uncertainty to enable cognitive flexibility. *Nature communications*, 16(1), 2640.

Choi I, et al. (2025) Locomotion-dependent auditory gating to the parietal cortex guides multisensory decisions. *Nature communications*, 16(1), 2308.

Santiago C, et al. (2025) Activity-dependent development of the body's touch receptors. *Neuron*, 113(11), 1758.

Kaiser J, et al. (2025) Developmental molecular signatures define de novo cortico-brainstem circuit for skilled forelimb movement. *Research square*.

Lee Y, et al. (2025) Brain-wide mapping of immune receptors uncovers a neuromodulatory role of IL-17E and the receptor IL-17RB. *Cell*, 188(8), 2203.

Upadhyay A, et al. (2025) The dorsal column nuclei scale mechanical sensitivity in naive and neuropathic pain states. *Cell reports*, 44(4), 115556.

Sansalone L, et al. (2025) Corticonigral projections recruit substantia nigra pars lateralis dopaminergic neurons for auditory threat memories. *Nature communications*, 16(1), 8384.

Mochizuki Y, et al. (2025) Distinct neural responses of ventromedial prefrontal cortex-projecting nucleus reuniens neurons during aversive memory extinction. *Molecular brain*, 18(1), 18.

Liu Y, et al. (2025) Co-Conservation of Synaptic Gene Expression and Circuitry in Collicular Neurons. *bioRxiv : the preprint server for biology*.

Livrizzi G, et al. (2025) Top-down control of the descending pain modulatory system drives placebo analgesia. *bioRxiv : the preprint server for biology*.

Dong HW, et al. (2025) Neural Networks of the Mouse Primary Visceromotor Cortex. *Research square*.

Suri H, et al. (2025) An auditory cortical-striatal circuit supports sound-triggered timing to predict future events. *PLoS biology*, 23(6), e3003209.

Heredi J, et al. (2025) Increased excitatory synapse size in hippocampal place cells compared to silent cells. *Proceedings of the National Academy of Sciences of the United States of America*, 122(23), e2505322122.

Su A, et al. (2025) AgRP mediated calcium Inhibition of feeding via the vagal afferent nerve-brain pathway. *Cell & bioscience*, 15(1), 63.

Gandu SR, et al. (2025) Cypin regulates K63-linked polyubiquitination to shape synaptic content. *Science advances*, 11(28), eads5467.

Garcia MM, et al. (2025) Noncanonical short-latency auditory pathway directly activates deep cortical layers. *Nature communications*, 16(1), 5911.

Sumegi M, et al. (2025) Diverse calcium dynamics underlie place field formation in hippocampal CA1 pyramidal cells. *eLife*, 13.

Mouland JW, et al. (2025) A lateral hypothalamic region supporting diverse visual processing and modulation of visually-guided behaviour. *Nature communications*, 16(1), 9917.