

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pENN.AAV.CB7.Cl.eGFP.WPRE.rBG

RRID:Addgene_105542

Type: Plasmid

Proper Citation

RRID:Addgene_105542

Plasmid Information

URL: <http://www.addgene.org/105542>

Proper Citation: RRID:Addgene_105542

Insert Name: EGFP

Organism: Other

Bacterial Resistance: Ampicillin

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

Comments: Penn Vector Core number (1963

Plasmid Name: pENN.AAV.CB7.Cl.eGFP.WPRE.rBG

Record Creation Time: 20220422T221512+0000

Record Last Update: 20260808T080342+0000

Ratings and Alerts

No rating or validation information has been found for pENN.AAV.CB7.Cl.eGFP.WPRE.rBG.

No alerts have been found for pENN.AAV.CB7.Cl.eGFP.WPRE.rBG.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

A M, et al. (2026) Irisin ameliorates obesity and insulin resistance via adipose tissue IL-33 and regulatory T cells. *Nature metabolism*, 8(4), 885.

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.

Soma S, et al. (2025) Channel synapse mediates neurotransmission of airway protective chemoreflexes. *Cell*, 188(10), 2687.

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

Li Z, et al. (2025) Direction-selective laterodorsal thalamic nucleus encodes optic flow and turning in spatial navigation. *Neuron*, 113(20), 3424.

Zhang F, et al. (2024) Cytokine Receptor-like Factor 1 (CRLF1) and Its Role in Osteochondral Repair. *Cells*, 13(9).

Shimonty A, et al. (2024) Deletion of FNDC5/irisin modifies murine osteocyte function in a sex-specific manner. *eLife*, 12.

Upadhyay A, et al. (2024) The Dorsal Column Nuclei Scale Mechanical Sensitivity in Naive and Neuropathic Pain States. *bioRxiv : the preprint server for biology*.

Bin NR, et al. (2023) An airway-to-brain sensory pathway mediates influenza-induced sickness. *Nature*, 615(7953), 660.

Shimonty A, et al. (2023) Deletion of FNDC5/Irisin modifies murine osteocyte function in a sex-specific manner. *bioRxiv : the preprint server for biology*.

Wang JH, et al. (2022) AAV2-mediated gene therapy for Bietti crystalline dystrophy provides functional CYP4V2 in multiple relevant cell models. *Scientific reports*, 12(1), 9525.

Choi CHJ, et al. (2022) LRG1 is an adipokine that promotes insulin sensitivity and suppresses inflammation. *eLife*, 11.

Wang X, et al. (2022) Input and output organization of the mesodiencephalic junction for cerebro-cerebellar communication. *Journal of neuroscience research*, 100(2), 620.

Islam MR, et al. (2021) Exercise hormone irisin is a critical regulator of cognitive function. *Nature metabolism*, 3(8), 1058.

Kim E, et al. (2021) Subthreshold basis for reward-predictive persistent activity in mouse prefrontal cortex. *Cell reports*, 35(5), 109082.

Damisah EC, et al. (2020) Astrocytes and microglia play orchestrated roles and respect phagocytic territories during neuronal corpse removal in vivo. *Science advances*, 6(26),

eaba3239.

Fang Q, et al. (2020) A Differential Circuit via Retino-Colliculo-Pulvinar Pathway Enhances Feature Selectivity in Visual Cortex through Surround Suppression. *Neuron*, 105(2), 355.

Mathiesen SN, et al. (2020) CNS Transduction Benefits of AAV-PHP.eB over AAV9 Are Dependent on Administration Route and Mouse Strain. *Molecular therapy. Methods & clinical development*, 19, 447.

Chou XL, et al. (2020) Contextual and cross-modality modulation of auditory cortical processing through pulvinar mediated suppression. *eLife*, 9.

Min S, et al. (2019) Arterial Baroreceptors Sense Blood Pressure through Decorated Aortic Claws. *Cell reports*, 29(8), 2192.