

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

AAV-GFP/Cre

RRID:Addgene_49056

Type: Plasmid

Proper Citation

RRID:Addgene_49056

Plasmid Information

URL: <http://www.addgene.org/49056>

Proper Citation: RRID:Addgene_49056

Insert Name: Cre

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11842206](#)

Vector Backbone Description: Backbone Size:6165; Vector Backbone:adeno-associated viral (AAVsp); Vector Types:Mammalian Expression, Mouse Targeting, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: Encodes an N-terminal GFP, Myc-tag fused in-frame to an SV40 nuclear localization signal (NLS) and Cre recombinase (AAV-GFP/Cre). Expression is driven by a CMV promoter with a splice donor/acceptor sequence (SD/SA) and flanked by inverted terminal repeats (ITRs). High titer, purified virus prepared from this plasmid can be used for stereotaxic injection into adult ROSA26 reporter mice.

Plasmid Name: AAV-GFP/Cre

Record Creation Time: 20220422T222252+0000

Record Last Update: 20260725T074755+0000

Ratings and Alerts

No rating or validation information has been found for AAV-GFP/Cre.

No alerts have been found for AAV-GFP/Cre.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Dashwood A, et al. (2025) Directed disruption of IL2 aggregation and receptor binding sites produces designer biologics with enhanced specificity and improved production capacity. Computational and structural biotechnology journal, 27, 1112.

Shafer AM, et al. (2025) Immunocompetent Murine Models Recapitulate the Heterogeneous Tumor-Immune Microenvironment of Human Liposarcoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(23), 5078.

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

Daudelin D, et al. (2025) Novel Roles of the GPI-Anchor Cleaving Enzyme, GDE2, in Hippocampal Synaptic Morphology and Function. eNeuro, 12(7).

Zhang N, et al. (2025) Regulation of Glypican 6-mediated Wnt activation maintains TDP-43 nuclear localization in neurons. bioRxiv : the preprint server for biology.

Chhikara A, et al. (2025) Activity-dependent localization and dynamics of STIM1 and STIM2 at ER-PM contacts in hippocampal neurons. Cell reports, 44(10), 116290.

Romano V, et al. (2025) Stage-dependent cerebrocerebellar communication during sensorimotor processing. Nature communications, 16(1), 8812.

Kim DJ, et al. (2025) IL-22 Exacerbates Coxsackievirus Type B3-Induced Pancreatitis by Elevating Viral Replication Through STAT3 Activation. Immune network, 25(5), e34.

Zhang N, et al. (2024) Physiological regulation of neuronal Wnt activity is essential for TDP-43 localization and function. The EMBO journal, 43(16), 3388.

Wei L, et al. (2024) Clathrin mediates membrane fission and budding by constricting membrane pores. Cell discovery, 10(1), 62.

Jang J, et al. (2023) Abnormal accumulation of extracellular vesicles in hippocampal dystrophic axons and regulation by the primary cilia in Alzheimer's disease. Acta neuropathologica communications, 11(1), 142.

Yeo S, et al. (2023) Primary cilia-mediated regulation of microglial secretion in Alzheimer's disease. Frontiers in molecular biosciences, 10, 1250335.

Cheng S, et al. (2022) The intrinsic and extrinsic effects of TET proteins during gastrulation. *Cell*, 185(17), 3169.

Daswani R, et al. (2022) MicroRNA-138 controls hippocampal interneuron function and short-term memory in mice. *eLife*, 11.

Miyata K, et al. (2022) Multifaceted roles of orexin neurons in mediating methamphetamine-induced changes in body temperature and heart rate. *IBRO neuroscience reports*, 12, 108.

Czapiewski R, et al. (2022) Genomic loci mispositioning in *Tmem120a* knockout mice yields latent lipodystrophy. *Nature communications*, 13(1), 321.

Carullo NVN, et al. (2021) A Cre-Dependent CRISPR/dCas9 System for Gene Expression Regulation in Neurons. *eNeuro*, 8(4).

Cruces-Solis H, et al. (2021) Altered theta and beta oscillatory synchrony in a genetic mouse model of pathological anxiety. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(6), e21585.

Chiang MC, et al. (2020) Divergent Neural Pathways Emanating from the Lateral Parabrachial Nucleus Mediate Distinct Components of the Pain Response. *Neuron*, 106(6), 927.

Wang X, et al. (2019) Opioid signal transduction regulates the dendritic morphology of somatostatin and parvalbumin interneurons in the medial prefrontal cortex. *Neuroreport*, 30(8), 592.