

Resource Summary Report

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

pAAV-EF1a-FLEX-GT

RRID:Addgene_26198

Type: Plasmid

Proper Citation

RRID:Addgene_26198

Plasmid Information

URL: <http://www.addgene.org/26198>

Proper Citation: RRID:Addgene_26198

Insert Name: Enhanced green fluorescent protein, TVA

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21115815](#)

Vector Backbone Description: Backbone Marker:Karl Deisseroth lab; Backbone Size:5300; Vector Backbone:pAAV-double floxed-EYFP-WPRE-pA; Vector Types:AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-EF1a-FLEX-GT

Relevant Mutation: TVA mammalian codon optimized

Record Creation Time: 20220422T222117+0000

Record Last Update: 20260725T074505+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-EF1a-FLEX-GT.

No alerts have been found for pAAV-EF1a-FLEX-GT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Franck MCM, et al. (2025) Spinal lumbar Urocortin 3-expressing neurons are associated with both scratching and Compound 48/80-induced sensations. *Pain*, 166(5), 1070.

Wang H, et al. (2024) Parallel pathways carrying direction-and orientation-selective retinal signals to layer 4 of the mouse visual cortex. *Cell reports*, 43(3), 113830.

Osanai Y, et al. (2024) 5' Transgenes drive leaky expression of 3' transgenes in Cre-inducible bi-cistronic vectors. *Molecular therapy. Methods & clinical development*, 32(3), 101288.

Vieillard J, et al. (2023) Adult spinal Dmrt3 neurons receive direct somatosensory inputs from ipsi- and contralateral primary afferents and from brainstem motor nuclei. *The Journal of comparative neurology*, 531(1), 5.

Priest MF, et al. (2023) Peptidergic and functional delineation of the Edinger-Westphal nucleus. *Cell reports*, 42(8), 112992.

Blot A, et al. (2021) Visual intracortical and transthalamic pathways carry distinct information to cortical areas. *Neuron*, 109(12), 1996.

Barbier M, et al. (2021) Projections from the dorsomedial division of the bed nucleus of the stria terminalis to hypothalamic nuclei in the mouse. *The Journal of comparative neurology*, 529(5), 929.

Brown APY, et al. (2021) Analysis of segmentation ontology reveals the similarities and differences in connectivity onto L2/3 neurons in mouse V1. *Scientific reports*, 11(1), 4983.

Smith MA, et al. (2020) Extrahypothalamic GABAergic nociceptin-expressing neurons regulate AgRP neuron activity to control feeding behavior. *The Journal of clinical investigation*, 130(1), 126.

Wang X, et al. (2019) Genetic Single Neuron Anatomy Reveals Fine Granularity of Cortical Axo-Axonic Cells. *Cell reports*, 26(11), 3145.

Luo P, et al. (2019) Whole Brain Mapping of Long-Range Direct Input to Glutamatergic and GABAergic Neurons in Motor Cortex. *Frontiers in neuroanatomy*, 13, 44.

Evans DA, et al. (2018) A synaptic threshold mechanism for computing escape decisions. *Nature*, 558(7711), 590.

Vélez-Fort M, et al. (2018) A Circuit for Integration of Head- and Visual-Motion Signals in Layer 6 of Mouse Primary Visual Cortex. *Neuron*, 98(1), 179.

Blomeley C, et al. (2018) Accumbal D2 cells orchestrate innate risk-avoidance according to orexin signals. *Nature neuroscience*, 21(1), 29.

Hu R, et al. (2016) Whole-Brain Monosynaptic Afferent Inputs to Basal Forebrain Cholinergic System. *Frontiers in neuroanatomy*, 10, 98.

Ni KM, et al. (2016) Selectively driving cholinergic fibers optically in the thalamic reticular nucleus promotes sleep. *eLife*, 5.

González JA, et al. (2016) Awake dynamics and brain-wide direct inputs of hypothalamic MCH and orexin networks. *Nature communications*, 7, 11395.

Wang D, et al. (2015) Whole-brain mapping of the direct inputs and axonal projections of POMC and AgRP neurons. *Frontiers in neuroanatomy*, 9, 40.

Guo Q, et al. (2015) Whole-brain mapping of inputs to projection neurons and cholinergic interneurons in the dorsal striatum. *PloS one*, 10(4), e0123381.