

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pAAV-CAG-FLEX-oG-WPRE-SV40pA

RRID:Addgene_74292

Type: Plasmid

Proper Citation

RRID:Addgene_74292

Plasmid Information

URL: <http://www.addgene.org/74292>

Proper Citation: RRID:Addgene_74292

Insert Name: oG (optimized Glycoprotein)

Organism: glycoprotein for rabies virus SAD B19

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27149846](#)

Vector Backbone Description: Backbone Marker:E. Boyden lab (MIT); Backbone Size:2879; Vector Backbone:pAAV-CAG-FLEX; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-CAG-FLEX-oG-WPRE-SV40pA

Relevant Mutation: chimeric glycoprotein

Record Creation Time: 20220422T222453+0000

Record Last Update: 20260815T081936+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CAG-FLEX-oG-WPRE-SV40pA.

No alerts have been found for pAAV-CAG-FLEX-oG-WPRE-SV40pA.

Data and Source Information

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Ding X, et al. (2025) Neuroendocrine circuit for sleep-dependent growth hormone release. *Cell*, 188(18), 4968.

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.

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.

Takato J, et al. (2022) The whisking oscillator circuit. *Nature*, 609(7927), 560.

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

Masaki Y, et al. (2022) Monosynaptic rabies virus tracing from projection-targeted single neurons. *Neuroscience research*, 178, 20.

Ronzano R, et al. (2022) Spinal premotor interneurons controlling antagonistic muscles are spatially intermingled. *eLife*, 11.

Takato J, et al. (2021) Constructing an adult orofacial premotor atlas in Allen mouse CCF. *eLife*, 10.

Melzer S, et al. (2021) Bombesin-like peptide recruits disinhibitory cortical circuits and enhances fear memories. *Cell*, 184(22), 5622.

Zhang Z, et al. (2019) An Excitatory Circuit in the Periocular Motor Midbrain for Non-REM Sleep Control. *Cell*, 177(5), 1293.

Zhong P, et al. (2019) Control of Non-REM Sleep by Midbrain Neurotensinergic Neurons. *Neuron*, 104(4), 795.

Murata K, et al. (2019) GABAergic neurons in the olfactory cortex projecting to the lateral hypothalamus in mice. *Scientific reports*, 9(1), 7132.

Mandelbaum G, et al. (2019) Distinct Cortical-Thalamic-Striatal Circuits through the Parafascicular Nucleus. *Neuron*, 102(3), 636.