

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

[pCAG-B19G](#)

RRID:Addgene_59921

Type: Plasmid

Proper Citation

RRID:Addgene_59921

Plasmid Information

URL: <http://www.addgene.org/59921>

Proper Citation: RRID:Addgene_59921

Insert Name: Rabies virus glycoprotein

Organism: Rabies virus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:4795; Vector Backbone:pCAGEN; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG-B19G

Record Creation Time: 20220422T222344+0000

Record Last Update: 20260815T081727+0000

Ratings and Alerts

No rating or validation information has been found for pCAG-B19G.

No alerts have been found for pCAG-B19G.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Tan K, et al. (2026) Protocol to produce and apply barcoded rabies virus for single-neuron input mapping in mice. STAR protocols, 7(2), 104537.

Tan K, et al. (2025) One-step approach producing barcoded rabies virus with optimized diversity. Cell reports methods, 5(12), 101245.

Jin L, et al. (2024) Long-term labeling and imaging of synaptically connected neuronal networks in vivo using double-deletion-mutant rabies viruses. Nature neuroscience, 27(2), 373.

Zhang A, et al. (2024) Rabies virus-based barcoded neuroanatomy resolved by single-cell RNA and in situ sequencing. eLife, 12.

Lazaridis I, et al. (2024) Striosomes Target Nigral Dopamine-Containing Neurons via Direct-D1 and Indirect-D2 Pathways Paralleling Classic Direct-Indirect Basal Ganglia Systems. bioRxiv : the preprint server for biology.

Zhang A, et al. (2023) Rabies virus-based barcoded neuroanatomy resolved by single-cell RNA and in situ sequencing. bioRxiv : the preprint server for biology.

Lin KZ, et al. (2023) A rabies virus-based toolkit for efficient retrograde labeling and monosynaptic tracing. Neural regeneration research, 18(8), 1827.

Saunders A, et al. (2022) Ascertaining cells' synaptic connections and RNA expression simultaneously with barcoded rabies virus libraries. Nature communications, 13(1), 6993.

Huda R, et al. (2020) Distinct prefrontal top-down circuits differentially modulate sensorimotor behavior. Nature communications, 11(1), 6007.

Lavin TK, et al. (2020) Monosynaptic Tracing Success Depends Critically on Helper Virus Concentrations. Frontiers in synaptic neuroscience, 12, 6.