

Resource Summary Report

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

pcDNA-SADB19P

RRID:Addgene_32631

Type: Plasmid

Proper Citation

RRID:Addgene_32631

Plasmid Information

URL: <http://www.addgene.org/32631>

Proper Citation: RRID:Addgene_32631

Insert Name: SADB19P

Organism: Rabies virus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21867879](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA-SADB19P

Record Creation Time: 20220422T222141+0000

Record Last Update: 20260725T074552+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA-SADB19P.

No alerts have been found for pcDNA-SADB19P.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Li R, et al. (2025) Functional Roles of Gastrin-Releasing Peptide-Producing Neurons in the Suprachiasmatic Nucleus: Insights into Photic Entrainment and Circadian Regulation. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(25).

Martín-Guerrero SM, et al. (2025) Maternal immune activation imprints translational dysregulation and differential MAP2 phosphorylation in descendant neural stem cells. *Molecular psychiatry*, 30(7), 2994.

Bulk J, et al. (2025) A food-sensitive olfactory circuit drives anticipatory satiety. *Nature metabolism*, 7(6), 1246.

Thulin A, et al. (2025) Differentiated Presynaptic Input to OLM⁺ Cells Along the Hippocampal Dorsoventral Axis: Implications for Hippocampal Microcircuit Function. *Hippocampus*, 35(5), e70026.

Bouin A, et al. (2024) New rabies viral resources for multi-scale neural circuit mapping. *Molecular psychiatry*, 29(7), 1951.

Ledderose JMT, et al. (2023) Layer 1 of somatosensory cortex: an important site for input to a tiny cortical compartment. *Cerebral cortex (New York, N.Y. : 1991)*, 33(23), 11354.

Bauer US, et al. (2022) Validation of Functional Connectivity of Engineered Neuromuscular Junction With Recombinant Monosynaptic Pseudotyped γ -Rabies Virus Tracing. *Frontiers in integrative neuroscience*, 16, 855071.

Morikawa S, et al. (2021) Brain-wide mapping of presynaptic inputs to basolateral amygdala neurons. *The Journal of comparative neurology*, 529(11), 3062.

Uchida S, et al. (2021) A Discrete Glycinergic Neuronal Population in the Ventromedial Medulla That Induces Muscle Atonia during REM Sleep and Cataplexy in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(7), 1582.

Ciarpella F, et al. (2021) Murine cerebral organoids develop network of functional neurons and hippocampal brain region identity. *iScience*, 24(12), 103438.

Zolnik TA, et al. (2020) Layer 6b Is Driven by Intracortical Long-Range Projection Neurons. *Cell reports*, 30(10), 3492.

Saito YC, et al. (2018) Monoamines Inhibit GABAergic Neurons in Ventrolateral Preoptic Area That Make Direct Synaptic Connections to Hypothalamic Arousal Neurons. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(28), 6366.

Soya S, et al. (2017) Orexin modulates behavioral fear expression through the locus coeruleus. *Nature communications*, 8(1), 1606.

Zampieri N, et al. (2014) Mapping sensory circuits by anterograde transsynaptic transfer of recombinant rabies virus. *Neuron*, 81(4), 766.

Osakada F, et al. (2013) Design and generation of recombinant rabies virus vectors. Nature protocols, 8(8), 1583.