

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pCAGGS-NICD

RRID:Addgene_26891

Type: Plasmid

Proper Citation

RRID:Addgene_26891

Plasmid Information

URL: <http://www.addgene.org/26891>

Proper Citation: RRID:Addgene_26891

Insert Name: NICD

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16508304](#)

Vector Backbone Description: Backbone Size:4800; Vector Backbone:pCAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAGGS-NICD

Relevant Mutation: E2299K

Record Creation Time: 20220422T222120+0000

Record Last Update: 20260815T081257+0000

Ratings and Alerts

No rating or validation information has been found for pCAGGS-NICD.

No alerts have been found for pCAGGS-NICD.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Fujieda K, et al. (2025) Id2 transcriptional repressor promotes retinal Müller glial cell fate choice by increasing Notch activity. *Biochemical and biophysical research communications*, 771, 151966.

Feng X, et al. (2023) Polycomb Ezh1 maintains murine muscle stem cell quiescence through non-canonical regulation of Notch signaling. *Developmental cell*, 58(12), 1052.

Nomura T, et al. (2022) Temperature sensitivity of Notch signaling underlies species-specific developmental plasticity and robustness in amniote brains. *Nature communications*, 13(1), 96.

Im DS, et al. (2022) Cdk5-mediated JIP1 phosphorylation regulates axonal outgrowth through Notch1 inhibition. *BMC biology*, 20(1), 115.

Hou J, et al. (2021) Pen-2 Negatively Regulates the Differentiation of Oligodendrocyte Precursor Cells into Astrocytes in the Central Nervous System. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(23), 4976.

Jiang M, et al. (2021) Maternal sevoflurane exposure induces temporary defects in interkinetic nuclear migration of radial glial progenitors in the fetal cerebral cortex through the Notch signalling pathway. *Cell proliferation*, 54(6), e13042.

Luque-Molina I, et al. (2019) The Orphan Nuclear Receptor TLX Represses Hes1 Expression, Thereby Affecting NOTCH Signaling and Lineage Progression in the Adult SEZ. *Stem cell reports*, 13(1), 132.

Jiao W, et al. (2019) Activation of the Notch?Nox4?reactive oxygen species signaling pathway induces cell death in high glucose?treated human retinal endothelial cells. *Molecular medicine reports*, 19(1), 667.

Maier J, et al. (2019) Luminescent and fluorescent triple reporter plasmid constructs for Wnt, Hedgehog and Notch pathway. *PloS one*, 14(12), e0226570.

Onodera Y, et al. (2018) Inflammation-associated miR-155 activates differentiation of muscular satellite cells. *PloS one*, 13(10), e0204860.

Robinson SC, et al. (2017) Kaiso differentially regulates components of the Notch signaling pathway in intestinal cells. *Cell communication and signaling : CCS*, 15(1), 24.

Zelentsova K, et al. (2017) Protein S Regulates Neural Stem Cell Quiescence and Neurogenesis. *Stem cells (Dayton, Ohio)*, 35(3), 679.

de Melo J, et al. (2016) Multiple intrinsic factors act in concert with Lhx2 to direct retinal gliogenesis. *Scientific reports*, 6, 32757.

Mußmann C, et al. (2014) HES5 is a key mediator of Wnt-3a-induced neuronal differentiation. *Stem cells and development*, 23(12), 1328.

Marathe S, et al. (2014) Monitoring Notch activity in the mouse. *Methods in molecular biology* (Clifton, N.J.), 1187, 115.

Nowotschin S, et al. (2013) A bright single-cell resolution live imaging reporter of Notch signaling in the mouse. *BMC developmental biology*, 13, 15.