Resource Summary Report

Generated by RRID on Aug 22, 2026

3XFlagNICD2

RRID:Addgene_20184
Type: Plasmid

Proper Citation

RRID:Addgene_20184

Plasmid Information

URL: http://www.addgene.org/20184

Proper Citation: RRID:Addgene_20184

Insert Name: Notch 2 intracellular domain

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16365048

Vector Backbone Description: Backbone Marker:Sigma; Backbone Size:4700; Vector Backbone:p3XFLAG-CMV-7; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: All NICD plasmids were cloned into the p3XFLAG-CMV-7(TM) expression vector (Sigma). NICD2 was cloned into XbaI/BamHI sites. NICD2 (Met-1699 to Ala-2470 of full-length mouse N2) was amplified from the N2 plasmid (gift from Dr. Y. Hamada) using primers 5XbaN2 (5'-GCTCTAGAATGGCCAAGCGGAAGCGCAAG-3') and 3BamN2 (5'-GCGGATCCCTATGCATACACCTGCATGTTGCTG-3'). Please note that Addgene sequencing results confirm the updated domain numbering to be Met 1701-Ala 2473.

Plasmid Name: 3XFlagNICD2

Relevant Mutation: Contains murine Notch 2 Intracellular Domain (Met-1699 to Ala-2470)

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260815T081152+0000

Ratings and Alerts

No rating or validation information has been found for 3XFlagNICD2.

No alerts have been found for 3XFlagNICD2.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Gazdik TR, et al. (2024) Notch intracellular domains form transcriptionally active heterodimeric complexes on sequence-paired sites. Scientific reports, 14(1), 218.

O'Connor KW, et al. (2023) Bcl6, Irf2, and Notch2 promote nonclassical monocyte development. Proceedings of the National Academy of Sciences of the United States of America, 120(35), e2220853120.

Harada Y, et al. (2021) Cell cycle arrest determines adult neural stem cell ontogeny by an embryonic Notch-nonoscillatory Hey1 module. Nature communications, 12(1), 6562.

Crow JJ, et al. (2020) Notch family members follow stringent requirements for intracellular domain dimerization at sequence-paired sites. PloS one, 15(11), e0234101.

Morrugares R, et al. (2020) Phosphorylation-dependent regulation of the NOTCH1 intracellular domain by dual-specificity tyrosine-regulated kinase 2. Cellular and molecular life sciences : CMLS, 77(13), 2621.

Bhardwaj A, et al. (2017) Whole proteome analysis of human tankyrase knockout cells reveals targets of tankyrase-mediated degradation. Nature communications, 8(1), 2214.

Yamamoto M, et al. (2017) Oncogenic Determination of a Broad Spectrum of Phenotypes of Hepatocyte-Derived Mouse Liver Tumors. The American journal of pathology, 187(12), 2711.

Kim W, et al. (2017) Hippo signaling interactions with Wnt/??-catenin and Notch signaling repress liver tumorigenesis. The Journal of clinical investigation, 127(1), 137.

Jin WJ, et al. (2016) Notch2 signaling promotes osteoclast resorption via activation of PYK2. Cellular signalling, 28(5), 357.

Pardo-Saganta A, et al. (2015) Injury induces direct lineage segregation of functionally distinct airway basal stem/progenitor cell subpopulations. Cell stem cell, 16(2), 184.

Hirose Y, et al. (2014) FIH-1-Mint3 axis does not control HIF-1 transcriptional activity in nucleus pulposus cells. The Journal of biological chemistry, 289(30), 20594.