Resource Summary Report

Generated by NIF on Aug 20, 2026

3XFlagNICD3

RRID:Addgene_20185
Type: Plasmid

Proper Citation

RRID:Addgene_20185

Plasmid Information

URL: http://www.addgene.org/20185

Proper Citation: RRID:Addgene_20185

Insert Name: Notch 3 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). NICD3 was cloned into XbaI/BamHI sites. NICD3 (Met-1664 to Ala-2318 of full-length mouse N3) was amplified from the N3 plasmid (gift from Dr. U. Lendahl) with 5XbaN3 (5'-GCTCTAGAATGGTTGCCAGGCGAAAGCGAG-3') and 3BamN3 (5'-GCGGATCCCTAGGCCATCACCTGCCTCTTGGG-3') primers.

Plasmid Name: 3XFlagNICD3

Relevant Mutation: Contains murine Notch 3 Intracellular Domain (Met-1664 to Ala-2318)

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260815T081152+0000

Ratings and Alerts

No rating or validation information has been found for 3XFlagNICD3.

No alerts have been found for 3XFlagNICD3.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

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

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

Zhang C, et al. (2018) Cbx3 inhibits vascular smooth muscle cell proliferation, migration, and neointima formation. Cardiovascular research, 114(3), 443.

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.

Kawai H, et al. (2017) Area-Specific Regulation of Quiescent Neural Stem Cells by Notch3 in the Adult Mouse Subependymal Zone. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(49), 11867.