

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

N-Cadherin-EGFP

RRID:Addgene_18870

Type: Plasmid

Proper Citation

RRID:Addgene_18870

Plasmid Information

URL: <http://www.addgene.org/18870>

Proper Citation: RRID:Addgene_18870

Insert Name: N-Cadherin

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17765678](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-N1 (Clontech); Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: N-Cadherin-EGFP

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260808T081346+0000

Ratings and Alerts

No rating or validation information has been found for N-Cadherin-EGFP.

No alerts have been found for N-Cadherin-EGFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yang T, et al. (2025) Neurons maintain sequential order during radial migration by DSCAM-facilitated antagonism of N-Cadherin. bioRxiv : the preprint server for biology.

Moazzeni S, et al. (2025) N-Cadherin based adhesion and Rac1 activity regulate tension polarization in the actin cortex. Scientific reports, 15(1), 4296.

Xiong L, et al. (2024) ATP6AP2, a regulator of LRP6/ β -catenin protein trafficking, promotes Wnt/ β -catenin signaling and bone formation in a cell type dependent manner. Bone research, 12(1), 33.

Tan CX, et al. (2023) β -Catenin controls astrocyte morphogenesis via layer-specific astrocyte-neuron cadherin interactions. The Journal of cell biology, 222(11).

Cramer TML, et al. (2023) Adamtsl3 mediates DCC signaling to selectively promote GABAergic synapse function. Cell reports, 42(8), 112947.

Vinopal S, et al. (2023) Centrosomal microtubule nucleation regulates radial migration of projection neurons independently of polarization in the developing brain. Neuron, 111(8), 1241.

Zhang K, et al. (2021) Plakophilin-2 truncating variants impair cardiac contractility by disrupting sarcomere stability and organization. Science advances, 7(42), eab3995.

Junyent S, et al. (2021) Pluripotency state regulates cytoneme selectivity and self-organization of embryonic stem cells. The Journal of cell biology, 220(4).

Munthe E, et al. (2020) Clathrin regulates Wnt/ β -catenin signaling by affecting Golgi to plasma membrane transport of transmembrane proteins. Journal of cell science, 133(13).

Yang C, et al. (2019) The Mechanism of Rap1 Regulates N-cadherin to Control Neuronal Migration. Journal of molecular neuroscience : MN, 68(4), 539.

Li X, et al. (2018) Cooperative Contraction Behaviors of a One-Dimensional Cell Chain. Biophysical journal, 115(3), 554.

Khare S, et al. (2017) A KCNC3 mutation causes a neurodevelopmental, non-progressive SCA13 subtype associated with dominant negative effects and aberrant EGFR trafficking. PloS one, 12(5), e0173565.

Bertocchi C, et al. (2017) Nanoscale architecture of cadherin-based cell adhesions. Nature cell biology, 19(1), 28.

Mote RD, et al. (2017) Dual repression of endocytic players by ESCC microRNAs and the Polycomb complex regulates mouse embryonic stem cell pluripotency. Scientific reports, 7(1), 17572.

Labernadie A, et al. (2017) A mechanically active heterotypic E-cadherin/N-cadherin adhesion enables fibroblasts to drive cancer cell invasion. Nature cell biology, 19(3), 224.

Hu J, et al. (2017) Inhibition of soluble epoxide hydrolase prevents diabetic retinopathy. *Nature*, 552(7684), 248.

Hochheiser J, et al. (2016) Heterodimerization with the $\alpha 1$ subunit directs the $\alpha 2$ subunit of nitric oxide-sensitive guanylyl cyclase to calcium-insensitive cell-cell contacts in HEK293 cells: Interaction with Lin7a. *Biochemical pharmacology*, 122, 23.

Takehara T, et al. (2015) Cdh2 stabilizes FGFR1 and contributes to primed-state pluripotency in mouse epiblast stem cells. *Scientific reports*, 5, 14722.

Lang RA, et al. (2014) p120-catenin-dependent junctional recruitment of Shroom3 is required for apical constriction during lens pit morphogenesis. *Development (Cambridge, England)*, 141(16), 3177.

Tucci V, et al. (2014) Dominant β -catenin mutations cause intellectual disability with recognizable syndromic features. *The Journal of clinical investigation*, 124(4), 1468.