

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

pcdna nesprin HL

RRID:Addgene_68128

Type: Plasmid

Proper Citation

RRID:Addgene_68128

Plasmid Information

URL: <http://www.addgene.org/68128>

Proper Citation: RRID:Addgene_68128

Insert Name: nesprin-2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26745407](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcdna 3.1 -; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcdna nesprin HL

Relevant Mutation: deleted actin-binding domain

Record Creation Time: 20220422T222424+0000

Record Last Update: 20260829T080913+0000

Ratings and Alerts

No rating or validation information has been found for pcdna nesprin HL.

No alerts have been found for pcdna nesprin HL.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Warner H, et al. (2024) Atypical cofilin signaling drives dendritic cell migration through the extracellular matrix via nuclear deformation. *Cell reports*, 43(3), 113866.

Sohn C, et al. (2023) Pathogenic tau decreases nuclear tension in cultured neurons. *Frontiers in aging*, 4, 1058968.

Fenelon KD, et al. (2022) Transgenic force sensors and software to measure force transmission across the mammalian nuclear envelope in vivo. *Biology open*, 11(11).

Walker CJ, et al. (2021) Nuclear mechanosensing drives chromatin remodelling in persistently activated fibroblasts. *Nature biomedical engineering*, 5(12), 1485.

Arsenovic PT, et al. (2018) Using Nesprin Tension Sensors to Measure Force on the LINC Complex. *Methods in molecular biology* (Clifton, N.J.), 1840, 59.

Arsenovic PT, et al. (2017) A Protocol for Using Förster Resonance Energy Transfer (FRET)-force Biosensors to Measure Mechanical Forces across the Nuclear LINC Complex. *Journal of visualized experiments : JoVE*(122).