Resource Summary Report

Generated by RRID on Aug 30, 2026

pcdna nesprin TS

RRID:Addgene_68127
Type: Plasmid

Proper Citation

RRID:Addgene_68127

Plasmid Information

URL: http://www.addgene.org/68127

Proper Citation: RRID:Addgene_68127

Insert Name: mouse nesprin mini 2G

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 TS

Record Creation Time: 20220422T222424+0000

Record Last Update: 20260829T080913+0000

Ratings and Alerts

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

No alerts have been found for pcdna nesprin TS.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Tervonen A, et al. (2026) Nucleus softens during herpesvirus infection. PLoS pathogens, 22(1), e1013873.

Zhang C, et al. (2026) Mechanoadaptation via Myosin Cytoplasmic Redistribution Protects Circulating Tumor Cells From Shear-induced Death During Hematogenous Dissemination. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(33), e23112.

Park JE, et al. (2025) Attenuated Nuclear Tension Regulates Progerin-Induced Mechanosensitive Nuclear Wrinkling and Chromatin Remodeling. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(31), e2502375.

Falconieri A, et al. (2025) The Extremely Low Mechanical Force Generated by Nano-Pulling Induces Global Changes in the Microtubule Network, Nuclear Morphology, and Chromatin Transcription in Neurons. Small (Weinheim an der Bergstrasse, Germany), e2503011.

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

Park SM, et al. (2023) Cyclic Stretch Promotes Cellular Reprogramming Process through Cytoskeletal-Nuclear Mechano-Coupling and Epigenetic Modification. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(32), e2303395.

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 F??rster Resonance Energy Transfer (FRET)-force Biosensors to Measure Mechanical Forces across the Nuclear LINC Complex. Journal of visualized experiments : JoVE(122).