

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pEGFP-N1 human cofilin S3E

RRID:Addgene_50861

Type: Plasmid

Proper Citation

RRID:Addgene_50861

Plasmid Information

URL: <http://www.addgene.org/50861>

Proper Citation: RRID:Addgene_50861

Insert Name: cofilin 1 S3E

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18045906](#)

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

Plasmid Name: pEGFP-N1 human cofilin S3E

Relevant Mutation: S3E psuedo-phosphorylated, non-activatable

Record Creation Time: 20220422T222300+0000

Record Last Update: 20260815T081609+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-N1 human cofilin S3E.

No alerts have been found for pEGFP-N1 human cofilin S3E.

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 [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.

Advedissian T, et al. (2024) Cytokinetic abscission requires actin-dependent microtubule severing. *Nature communications*, 15(1), 1949.

Swiatlowska P, et al. (2022) Pressure and stiffness sensing together regulate vascular smooth muscle cell phenotype switching. *Science advances*, 8(15), eabm3471.

Cazzaro S, et al. (2022) Slingshot homolog-1 mediates the secretion of small extracellular vesicles containing misfolded proteins by regulating autophagy cargo receptors and actin dynamics. *Frontiers in aging neuroscience*, 14, 933979.

Zalli D, et al. (2016) The Actin-Binding Protein Cofilin and Its Interaction With Cortactin Are Required for Podosome Patterning in Osteoclasts and Bone Resorption In Vivo and In Vitro. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 31(9), 1701.