

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

[pHJ421](#)

RRID:Addgene_20680

Type: Plasmid

Proper Citation

RRID:Addgene_20680

Plasmid Information

URL: <http://www.addgene.org/20680>

Proper Citation: RRID:Addgene_20680

Insert Name: Ezrin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19204146](#)

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

Plasmid Name: pHJ421

Record Creation Time: 20220422T222052+0000

Record Last Update: 20260725T074420+0000

Ratings and Alerts

No rating or validation information has been found for pHJ421.

No alerts have been found for pHJ421.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Wang S, et al. (2024) Astrocytic LRRK2 Controls Synaptic Connectivity via Regulation of ERM Phosphorylation. *bioRxiv : the preprint server for biology*.

Le T, et al. (2024) Redistribution of the glycocalyx exposes phagocytic determinants on apoptotic cells. *Developmental cell*.

Morales EA, et al. (2022) Mitotic Spindle Positioning (MISP) is an actin bundler that selectively stabilizes the rootlets of epithelial microvilli. *Cell reports*, 39(3), 110692.

Wurz AI, et al. (2022) CRY-BARs: Versatile light-gated molecular tools for the remodeling of membrane architectures. *The Journal of biological chemistry*, 298(10), 102388.

Gaeta IM, et al. (2021) Direct visualization of epithelial microvilli biogenesis. *Current biology : CB*, 31(12), 2561.

Xue Y, et al. (2020) Phosphorylated Ezrin (Thr567) Regulates Hippo Pathway and Yes-Associated Protein (Yap) in Liver. *The American journal of pathology*, 190(7), 1427.

Zhang X, et al. (2020) Baicalein inhibits non-small-cell lung cancer invasion and metastasis by reducing ezrin tension in inflammation microenvironment. *Cancer science*, 111(10), 3802.

Welf ES, et al. (2020) Actin-Membrane Release Initiates Cell Protrusions. *Developmental cell*, 55(6), 723.

Zhang X, et al. (2019) Regulation of ezrin tension by S-nitrosylation mediates non-small cell lung cancer invasion and metastasis. *Theranostics*, 9(9), 2555.

Zenker J, et al. (2018) Expanding Actin Rings Zipper the Mouse Embryo for Blastocyst Formation. *Cell*, 173(3), 776.

Jiao M, et al. (2018) Myosin II-interacting guanine nucleotide exchange factor promotes bleb retraction via stimulating cortex reassembly at the bleb membrane. *Molecular biology of the cell*, 29(5), 643.

Freeman SA, et al. (2018) Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. *Cell*, 172(1-2), 305.

Cybulsky AV, et al. (2017) Regulation of Ste20-like kinase, SLK, activity: Dimerization and activation segment phosphorylation. *PloS one*, 12(5), e0177226.

Sudhaharan T, et al. (2016) The Rho GTPase RhoA signals through IRTKS, Eps8 and WAVE2 to generate dorsal membrane ruffles and filopodia. *Journal of cell science*, 129(14), 2829.

Tudor C, et al. (2014) Syntenin-1 and ezrin proteins link activated leukocyte cell adhesion molecule to the actin cytoskeleton. *The Journal of biological chemistry*, 289(19), 13445.