

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pmCherry Paxillin

RRID:Addgene_50526

Type: Plasmid

Proper Citation

RRID:Addgene_50526

Plasmid Information

URL: <http://www.addgene.org/50526>

Proper Citation: RRID:Addgene_50526

Insert Name: PXN paxillin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:Yamada Lab; Vector Backbone:pmCherry NBC1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Replacement of Clontech pEGFP C1 vector EGFP with mCherry and MCS modification with Bam HI mutation of original Bam H I.

Plasmid Name: pmCherry Paxillin

Record Creation Time: 20220422T222259+0000

Record Last Update: 20260815T081606+0000

Ratings and Alerts

No rating or validation information has been found for pmCherry Paxillin.

No alerts have been found for pmCherry Paxillin.

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 [RRID](#) .

Merta H, et al. (2025) Spatial proteomics of ER tubules reveals CLMN, an ER-actin tether at focal adhesions that promotes cell migration. *Cell reports*, 44(4), 115502.

Boraas LC, et al. (2025) G3BP1 ribonucleoprotein complexes regulate focal adhesion protein mobility and cell migration. *Cell reports*, 44(2), 115237.

Lee WN, et al. (2025) Kindlin Regulates Mechanosensitive Activation and Adhesion Assembly of Integrin beta6. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(32), e01078.

Wang Y, et al. (2025) TRIM29 promotes bladder cancer invasion by regulating the intermediate filament network and focal adhesion. *Oncogene*, 44(42), 4047.

Gossen S, et al. (2024) The RhoGEF Trio is transported by microtubules and affects microtubule stability in migrating neural crest cells. *Cells & development*, 177, 203899.

Li P, et al. (2024) Aligned fibrous scaffolds promote directional migration of breast cancer cells via caveolin-1/YAP-mediated mechanosensing. *Materials today. Bio*, 28, 101245.

Xue Q, et al. (2023) Lack of Paxillin phosphorylation promotes single-cell migration in vivo. *The Journal of cell biology*, 222(3).

Palmbos P, et al. (2023) TRIM29 promotes bladder cancer invasion by regulating the intermediate filament network and focal adhesion. *Research square*.

Posor Y, et al. (2022) Local synthesis of the phosphatidylinositol-3,4-bisphosphate lipid drives focal adhesion turnover. *Developmental cell*, 57(14), 1694.

Alshaabi H, et al. (2021) Miro1-mediated mitochondrial positioning supports subcellular redox status. *Redox biology*, 38, 101818.

Tan HF, et al. (2020) The focal adhesion protein kindlin-2 controls mitotic spindle assembly by inhibiting histone deacetylase 6 and maintaining α -tubulin acetylation. *The Journal of biological chemistry*, 295(18), 5928.

Wang Y, et al. (2020) Ste20-like Kinase-mediated Control of Actin Polymerization Is a New Mechanism for Thin Filament-associated Regulation of Airway Smooth Muscle Contraction. *American journal of respiratory cell and molecular biology*, 62(5), 645.

Lewis K, et al. (2020) p66ShcA functions as a contextual promoter of breast cancer metastasis. *Breast cancer research : BCR*, 22(1), 7.

Kiepas A, et al. (2020) Optimizing live-cell fluorescence imaging conditions to minimize phototoxicity. *Journal of cell science*, 133(4).

Bello-Gamboa A, et al. (2020) Actin reorganization at the centrosomal area and the immune synapse regulates polarized secretory traffic of multivesicular bodies in T lymphocytes. *Journal of extracellular vesicles*, 9(1), 1759926.

Kiepas A, et al. (2020) The SHCA adapter protein cooperates with lipoma-preferred partner in the regulation of adhesion dynamics and invadopodia formation. *The Journal of biological chemistry*, 295(31), 10535.

Rezay AC, et al. (2019) Plk1 Mediates Paxillin Phosphorylation (Ser-272), Centrosome Maturation, and Airway Smooth Muscle Layer Thickening in Allergic Asthma. *Scientific reports*, 9(1), 7555.

Viplav A, et al. (2019) ArhGEF37 assists dynamin 2 during clathrin-mediated endocytosis. *Journal of cell science*, 132(9).

Wang F, et al. (2018) Keratin 6 regulates collective keratinocyte migration by altering cell-cell and cell-matrix adhesion. *The Journal of cell biology*, 217(12), 4314.

Fritzsche M, et al. (2017) Self-organizing actin patterns shape membrane architecture but not cell mechanics. *Nature communications*, 8, 14347.