Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

Dyn2-pmCherryN1

RRID:Addgene_27689
Type: Plasmid

Proper Citation

RRID:Addgene_27689

Plasmid Information

URL: http://www.addgene.org/27689

Proper Citation: RRID:Addgene_27689

Insert Name: Dynamin 2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: PMID:21445324

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4722; Vector Backbone:pmCherry-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Cloned from IMAGE clone: 6473791 (MGC:57679).

Plasmid Name: Dyn2-pmCherryN1

Record Creation Time: 20220422T222124+0000

Record Last Update: 20260808T081505+0000

Ratings and Alerts

No rating or validation information has been found for Dyn2-pmCherryN1.

No alerts have been found for Dyn2-pmCherryN1.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Pemberton JG, et al. (2025) Acute diacylglycerol production activates critical membrane-shaping proteins leading to mitochondrial tubulation and fission. Nature communications, 16(1), 2685.

Han S, et al. (2025) Nanoscopy Reveals Heparan Sulfate Clusters as Docking Sites for SARS-CoV-2 Attachment and Entry. bioRxiv : the preprint server for biology.

Zhu H, et al. (2025) Salmonella exploits LRRK2-dependent plasma membrane dynamics to invade host cells. Nature communications, 16(1), 2329.

Rolland SJ, et al. (2025) Host PIK3C3 promotes Shigella flexneri spread from cell to cell through vacuole formation. PLoS pathogens, 21(5), e1012707.

Perkins OL, et al. (2025) Apical clathrin-coated pits control the location, timing, and scale of microvillar growth. Cell reports, 44(8), 116008.

Raj N, et al. (2024) Membrane Tension Regulation is Required for Wound Repair. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(48), e2402317.

Romero MD, et al. (2024) Dynamin-dependent entry of Chlamydia trachomatis is sequentially regulated by the effectors TarP and TmeA. Nature communications, 15(1), 4926.

Romero MD, et al. (2023) Dynamin-dependent entry of Chlamydia trachomatis is sequentially regulated by the effectors TarP and TmeA. Research square.

Imoto Y, et al. (2022) Dynamin is primed at endocytic sites for ultrafast endocytosis. Neuron, 110(17), 2815.

Avila H, et al. (2022) Intracellular Dynamin Elastin-like Polypeptides Assemble into Rodlike, Spherical, and Reticular Dynasomes. Biomacromolecules, 23(1), 265.

Boddy KC, et al. (2021) Salmonella effector SopD promotes plasma membrane scission by inhibiting Rab10. Nature communications, 12(1), 4707.

Tan KW, et al. (2021) JIP4 is recruited by the phosphoinositide-binding protein Phafin2 to promote recycling tubules on macropinosomes. Journal of cell science, 134(14).

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

Nnah IC, et al. (2019) TFEB-driven endocytosis coordinates MTORC1 signaling and autophagy. Autophagy, 15(1), 151.

Rosendale M, et al. (2019) Functional recruitment of dynamin requires multimeric interactions for efficient endocytosis. Nature communications, 10(1), 4462.

Zhang M, et al. (2019) Simple and efficient delivery of cell-impermeable organic fluorescent probes into live cells for live-cell superresolution imaging. Light, science & applications, 8, 73.

Yoshida A, et al. (2018) Morphological changes of plasma membrane and protein assembly during clathrin-mediated endocytosis. PLoS biology, 16(5), e2004786.

Szymanska E, et al. (2016) Impaired dynamin 2 function leads to increased AP-1 transcriptional activity through the JNK/c-Jun pathway. Cellular signalling, 28(1), 160.

Sambuughin N, et al. (2015) Adult-onset autosomal dominant spastic paraplegia linked to a GTPase-effector domain mutation of dynamin 2. BMC neurology, 15, 223.

He K, et al. (2015) Mammalian actin-binding protein 1/HIP-55 is essential for the scission of clathrin-coated pits by regulating dynamin-actin interaction. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 29(6), 2495.