

Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

mCherry-Rab5a-7

RRID:Addgene_55126

Type: Plasmid

Proper Citation

RRID:Addgene_55126

Plasmid Information

URL: <http://www.addgene.org/55126>

Proper Citation: RRID:Addgene_55126

Insert Name: Rab5a

Organism: Other

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mCherry; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 587; Emission = 610

Plasmid Name: mCherry-Rab5a-7

Record Creation Time: 20220422T222323+0000

Record Last Update: 20260801T081503+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-Rab5a-7.

No alerts have been found for mCherry-Rab5a-7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Wei X, et al. (2026) Interactome mapping in human excitatory neurons reveals novel risk genes and pathways in Alzheimer's disease. *bioRxiv : the preprint server for biology*.

Wright EB, et al. (2025) TMEM184B modulates endolysosomal acidification via the vesicular proton pump. *Journal of cell science*, 138(15).

Johansson JM, et al. (2025) Cellular and biophysical barriers to lipid nanoparticle mediated delivery of RNA to the cytosol. *Nature communications*, 16(1), 5354.

Waisner H, et al. (2025) Herpes simplex virus diverts CIN85 endosomal cargo for exocytosis to evade antiviral responses: a novel role for the viral immediate-early protein ICP0. *mBio*, 16(11), e0214325.

Peng W, et al. (2025) Endosomal trafficking participates in lipid droplet catabolism to maintain lipid homeostasis. *Nature communications*, 16(1), 1917.

Denha SA, et al. (2025) Molecular consequences of SCA5 mutations in the spectrin-repeat domains of β -III-spectrin. *The Journal of biological chemistry*, 301(7), 110350.

Nikolaou S, et al. (2024) CYRI-B-mediated macropinocytosis drives metastasis via lysophosphatidic acid receptor uptake. *eLife*, 13.

Markou A, et al. (2024) Mechanisms of aquaporin-4 vesicular trafficking in mammalian cells. *Journal of neurochemistry*, 168(2), 100.

Mukherjee A, et al. (2022) A Phosphoinositide-Binding Protein Acts in the Trafficking Pathway of Hemoglobin in the Malaria Parasite *Plasmodium falciparum*. *mBio*, 13(1), e0323921.

Tomabechi R, et al. (2022) SLC46A3 is a lysosomal proton-coupled steroid conjugate and bile acid transporter involved in transport of active catabolites of T-DM1. *PNAS nexus*, 1(3), pgac063.

Plescia CB, et al. (2021) SARS-CoV-2 viral budding and entry can be modeled using BSL-2 level virus-like particles. *The Journal of biological chemistry*, 296, 100103.

Hülsemann M, et al. (2021) TC10 regulates breast cancer invasion and metastasis by controlling membrane type-1 matrix metalloproteinase at invadopodia. *Communications biology*, 4(1), 1091.

Le AH, et al. (2021) CYRI-A limits invasive migration through macropinosome formation and integrin uptake regulation. *The Journal of cell biology*, 220(9).

Du Rietz H, et al. (2020) Imaging small molecule-induced endosomal escape of siRNA. *Nature communications*, 11(1), 1809.

Plescia CB, et al. (2020) SARS-CoV-2 viral budding and entry can be modeled using virus-like particles. *bioRxiv : the preprint server for biology*.

Hausott B, et al. (2019) Subcellular Localization of Sprouty2 in Human Glioma Cells. *Frontiers in molecular neuroscience*, 12, 73.

Dettmer U, et al. (2017) Loss of native α -synuclein multimerization by strategically mutating its amphipathic helix causes abnormal vesicle interactions in neuronal cells. *Human molecular genetics*, 26(18), 3466.