

# Resource Summary Report

Generated by [NIF](#) on Sep 15, 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:** 20260912T092856+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 [NIF](#) .

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  $\beta$ -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  $\alpha$ -synuclein multimerization by strategically mutating its amphipathic helix causes abnormal vesicle interactions in neuronal cells. *Human molecular genetics*, 26(18), 3466.