Resource Summary Report

Generated by RRID on Aug 31, 2026

mRFP-Rab5

RRID:Addgene_14437
Type: Plasmid

Proper Citation

RRID:Addgene_14437

Plasmid Information

URL: http://www.addgene.org/14437

Proper Citation: RRID:Addgene_14437

Insert Name: Rab 5

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: PMID:15954801

Vector Backbone Description: Backbone Size:4656; Vector Backbone:pmRFP-C3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: mRFP-Rab5

Record Creation Time: 20220422T221817+0000

Record Last Update: 20260829T075646+0000

Ratings and Alerts

No rating or validation information has been found for mRFP-Rab5.

No alerts have been found for mRFP-Rab5.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 81 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Boyer NP, et al. (2026) Spectrin condensates provide a nidus for assembling the axonal membrane-associated periodic skeleton. iScience, 29(1), 114454.

Vishwakarma A, et al. (2026) Mitochondrial dysfunction alters early endosome trafficking via microtubule reorganization. Life science alliance, 9(1).

Zheng YH, et al. (2026) A pH-driven receptor switch from ACE2 to NPC1 enables endosomal entry of SARS-CoV-2. Research square.

Chen Y, et al. (2025) RAB5 is a host dependency factor for the generation of SARS-CoV-2 replication organelles. mBio, 16(5), e0331424.

Eswaran S, et al. (2025) Biological functions of extracellular vesicle double C2-like domain beta in cervical cancer. Scientific reports, 15(1), 477.

Li T, et al. (2025) Cholesterol modulates trafficking of galanin receptor subtype 1 but not subtype 2: Insights from live-cell imaging. British journal of pharmacology.

Saimoto Y, et al. (2025) Lysosomal lipid peroxidation contributes to ferroptosis induction via lysosomal membrane permeabilization. Nature communications, 16(1), 3554.

Saffi GT, et al. (2025) The lipid phosphatase INPP4B controls pancreatic cancer cell migration and invasion by regulating fibronectin exocytosis. The Journal of biological chemistry, 301(10), 110716.

Bekku Y, et al. (2024) Glia trigger endocytic clearance of axonal proteins to promote rodent myelination. Developmental cell.

Manchanda Y, et al. (2024) Engineered mini-G proteins block the internalization of cognate GPCRs and disrupt downstream intracellular signaling. Science signaling, 17(843), eabq7038.

Chang Y, et al. (2024) Palmitoylation regulates myelination by modulating the ZDHHC3-Cadm4 axis in the central nervous system. Signal transduction and targeted therapy, 9(1), 254.

Bhat M, et al. (2024) A genetically-encoded fluorescence-based reporter to spatiotemporally investigate mannose-6-phosphate pathway. Molecular biology of the cell, 35(8), mr6.

Bittel DC, et al. (2023) Early Endosomes Undergo Calcium-Triggered Exocytosis and Enable Repair of Diffuse and Focal Plasma Membrane Injury. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(33), e2300245.

Kumar N, et al. (2023) Identification of diphenylurea derivatives as novel endocytosis inhibitors that demonstrate broad-spectrum activity against SARS-CoV-2 and influenza A virus both in vitro and in vivo. PLoS pathogens, 19(5), e1011358.

Bai Y, et al. (2023) PTP4A2 promotes lysophagy by dephosphorylation of VCP/p97 at Tyr805. Autophagy, 19(5), 1562.

York HM, et al. (2023) Deterministic early endosomal maturations emerge from a stochastic trigger-and-convert mechanism. Nature communications, 14(1), 4652.

Yuan C, et al. (2022) Comprehensive Subcellular Localization of Swine Acute Diarrhea Syndrome Coronavirus Proteins. Journal of virology, 96(17), e0077222.

Taniguchi S, et al. (2022) The Ubiquitin Ligase RNF34 Participates in the Peripheral Quality Control of CFTR (RNF34 Role in CFTR PeriQC). Frontiers in molecular biosciences, 9, 840649.

Nørgård MØ, et al. (2022) A new transgene mouse model using an extravesicular EGFP tag enables affinity isolation of cell-specific extracellular vesicles. Scientific reports, 12(1), 496.

Hao M, et al. (2021) Autophagy Blockade Limits HER2+ Breast Cancer Tumorigenesis by Perturbing HER2 Trafficking and Promoting Release Via Small Extracellular Vesicles. Developmental cell, 56(3), 341.