Resource Summary Report

Generated by RRID on Aug 22, 2026

GFP-Rab5CA (Q79L)

RRID:Addgene_35140
Type: Plasmid

Proper Citation

RRID:Addgene_35140

Plasmid Information

URL: http://www.addgene.org/35140

Proper Citation: RRID:Addgene_35140

Insert Name: Rab5a

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: PMID:22072788

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: GFP-Rab5CA (Q79L)

Relevant Mutation: Constitutively Active- Q79L

Record Creation Time: 20220422T222149+0000

Record Last Update: 20260815T081358+0000

Ratings and Alerts

No rating or validation information has been found for GFP-Rab5CA (Q79L).

No alerts have been found for GFP-Rab5CA (Q79L).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Kim DH, et al. (2025) RABEP1 amplifies front signaling in neutrophil migration. bioRxiv : the preprint server for biology.

Zha DQ, et al. (2025) Nicotinamide mononucleotide protects against diabetic nephropathy via IL-6/Rab5-mediated crosstalk between proximal tubular epithelial cells and podocytes. World journal of diabetes, 16(10), 109782.

Otakhor KO, et al. (2025) RAB5 NUCLEOTIDE BINDING PROMOTES ??-OXIDATION TO FUEL HEPATOCELLULAR CARCINOMA CELL PROLIFERATION. bioRxiv : the preprint server for biology.

Schott MB, et al. (2024) Ethanol disrupts hepatocellular lipophagy by altering Rab5-centric LD-lysosome trafficking. Hepatology communications, 8(6).

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.

Dong X, et al. (2022) VPS28 regulates brain vasculature by controlling neuronal VEGF trafficking through extracellular vesicle secretion. iScience, 25(4), 104042.

Plescia CB, et al. (2022) Evaluation of Phenol-Substituted Diphyllin Derivatives as Selective Antagonists for Ebola Virus Entry. ACS infectious diseases, 8(5), 942.

Westman J, et al. (2022) Calcium-dependent ESCRT recruitment and lysosome exocytosis maintain epithelial integrity during Candida albicans invasion. Cell reports, 38(1), 110187.

Cannavo C, et al. (2022) Endosomal structure and APP biology are not altered in a preclinical mouse cellular model of Down syndrome. PloS one, 17(5), e0262558.

Janman D, et al. (2021) Regulation of CTLA-4 recycling by LRBA and Rab11. Immunology, 164(1), 106.

Cruz Da Silva E, et al. (2021) Role of Endocytosis Proteins in Gefitinib-Mediated EGFR Internalisation in Glioma Cells. Cells, 10(11).

Notabi MK, et al. (2021) Antibody conjugated lipid nanoparticles as a targeted drug delivery system for hydrophobic pharmaceuticals. European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences, 161, 105777.

Fan SJ, et al. (2020) Glutamine deprivation alters the origin and function of cancer cell exosomes. The EMBO journal, 39(16), e103009.

Westman J, et al. (2020) Lysosome Fusion Maintains Phagosome Integrity during Fungal Infection. Cell host & microbe, 28(6), 798.

Villarroya-Beltri C, et al. (2016) ISGylation controls exosome secretion by promoting lysosomal degradation of MVB proteins. Nature communications, 7, 13588.

Ventimiglia LN, et al. (2015) Cutting Edge: Regulation of Exosome Secretion by the Integral MAL Protein in T Cells. Journal of immunology (Baltimore, Md. : 1950), 195(3), 810.