

Resource Summary Report

Generated by [nidm-terms](#) on Sep 5, 2026

EGFP-Rab5A S34N

RRID:Addgene_28045

Type: Plasmid

Proper Citation

RRID:Addgene_28045

Plasmid Information

URL: <http://www.addgene.org/28045>

Proper Citation: RRID:Addgene_28045

Insert Name: Rab5A

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20974968](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: EGFP-Rab5A S34N

Relevant Mutation: S34N

Record Creation Time: 20220422T222126+0000

Record Last Update: 20260905T075446+0000

Ratings and Alerts

No rating or validation information has been found for EGFP-Rab5A S34N.

No alerts have been found for EGFP-Rab5A S34N.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Miller MR, et al. (2022) The RabGAPs EPI64A and EPI64B regulate the apical structure of epithelial cells †. *Molecular biology of the cell*, 33(1), ar8.

Lattao R, et al. (2021) Mauve/LYST limits fusion of lysosome-related organelles and promotes centrosomal recruitment of microtubule nucleating proteins. *Developmental cell*, 56(7), 1000.

Yousaf M, et al. (2020) Modulation of ABCG2 surface expression by Rab5 and Rab21 to overcome multidrug resistance in cancer cells. *Xenobiotica; the fate of foreign compounds in biological systems*, 50(8), 988.

Gunaratne GS, et al. (2018) NAADP-dependent Ca²⁺ signaling regulates Middle East respiratory syndrome-coronavirus pseudovirus translocation through the endolysosomal system. *Cell calcium*, 75, 30.

Bowen AB, et al. (2017) Golgi-independent secretory trafficking through recycling endosomes in neuronal dendrites and spines. *eLife*, 6.

Hammerling BC, et al. (2017) A Rab5 endosomal pathway mediates Parkin-dependent mitochondrial clearance. *Nature communications*, 8, 14050.

Wild F, et al. (2016) Progress of endocytic CHRN to autophagic degradation is regulated by RAB5-GTPase and T145 phosphorylation of SH3GLB1 at mouse neuromuscular junctions in vivo. *Autophagy*, 12(12), 2300.

Zhao Z, et al. (2015) Central role for PICALM in amyloid- β blood-brain barrier transcytosis and clearance. *Nature neuroscience*, 18(7), 978.

Hollidge BS, et al. (2012) Orthobunyavirus entry into neurons and other mammalian cells occurs via clathrin-mediated endocytosis and requires trafficking into early endosomes. *Journal of virology*, 86(15), 7988.