

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

iRFP-FRB-Rab7

RRID:Addgene_51613

Type: Plasmid

Proper Citation

RRID:Addgene_51613

Plasmid Information

URL: <http://www.addgene.org/51613>

Proper Citation: RRID:Addgene_51613

Insert Name: FRB

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24711504](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4902; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: iRFP-FRB-Rab7

Record Creation Time: 20220422T222303+0000

Record Last Update: 20260808T081805+0000

Ratings and Alerts

No rating or validation information has been found for iRFP-FRB-Rab7.

No alerts have been found for iRFP-FRB-Rab7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Omari-Manaa S, et al. (2026) Distinct phosphoinositide signatures orchestrate Fc γ RI versus MRGPRX2 mast cell secretion. *iScience*, 29(4), 115457.

Zhang R, et al. (2025) PKC ζ regulates the secretion of PDL1-carrying small extracellular vesicles in a p53-dependent manner. *Cell death & disease*, 16(1), 19.

Hees JT, et al. (2024) Insulin signalling regulates Pink1 mRNA localization via modulation of AMPK activity to support PINK1 function in neurons. *Nature metabolism*, 6(3), 514.

Ajiki M, et al. (2024) ORP9-PH domain-based fluorescent reporters for visualizing phosphatidylinositol 4-phosphate dynamics in living cells. *RSC chemical biology*, 5(6), 544.

Nagpal S, et al. (2024) Optogenetic control of kinesin-1, -2, -3 and dynein reveals their specific roles in vesicular transport. *Cell reports*, 43(8), 114649.

Kluss JH, et al. (2022) Directing LRRK2 to membranes of the endolysosomal pathway triggers RAB phosphorylation and JIP4 recruitment. *Neurobiology of disease*, 170, 105769.

Gimenez MC, et al. (2021) Phosphatidylinositol 3-Phosphate Mediates the Establishment of Infectious Bursal Disease Virus Replication Complexes in Association with Early Endosomes. *Journal of virology*, 95(6).

Michaeli L, et al. (2017) Phosphatidylinositol (4, 5)-bisphosphate targets double C2 domain protein B to the plasma membrane. *Traffic (Copenhagen, Denmark)*, 18(12), 825.