

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

Lyn11-targeted FRB (LDR)

RRID:Addgene_20147

Type: Plasmid

Proper Citation

RRID:Addgene_20147

Plasmid Information

URL: <http://www.addgene.org/20147>

Proper Citation: RRID:Addgene_20147

Insert Name: Lyn-linker-FRB (LDR)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15908919](#)

Vector Backbone Description: Backbone Marker:ARIAD Pharmaceuticals; Backbone Size:0; Vector Backbone:pC4-RHE; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Lyn11-targeted FRB (LDR)

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260725T074416+0000

Ratings and Alerts

No rating or validation information has been found for Lyn11-targeted FRB (LDR).

No alerts have been found for Lyn11-targeted FRB (LDR).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

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.

Mahoney JP, et al. (2022) PI(4,5)P₂-stimulated positive feedback drives the recruitment of Dishevelled to Frizzled in Wnt- β -catenin signaling. *Science signaling*, 15(748), eabo2820.

Suzuki S, et al. (2022) A chemogenetic platform for controlling plasma membrane signaling and synthetic signal oscillation. *Cell chemical biology*, 29(9), 1446.

Streets AJ, et al. (2020) Polycystin-1 regulates ARHGAP35-dependent centrosomal RhoA activation and ROCK signaling. *JCI insight*, 5(16).

Socodato R, et al. (2020) Microglia Dysfunction Caused by the Loss of Rhoa Disrupts Neuronal Physiology and Leads to Neurodegeneration. *Cell reports*, 31(12), 107796.

Ostrowski PP, et al. (2019) Dynamic Podosome-Like Structures in Nascent Phagosomes Are Coordinated by Phosphoinositides. *Developmental cell*, 50(4), 397.

Wan Z, et al. (2018) PI(4,5)P₂ determines the threshold of mechanical force-induced B cell activation. *The Journal of cell biology*, 217(7), 2565.

Kim SJ, et al. (2017) Identification of postsynaptic phosphatidylinositol-4,5-bisphosphate (PIP₂) roles for synaptic plasticity using chemically induced dimerization. *Scientific reports*, 7(1), 3351.

Song ZM, et al. (2017) Phosphoinositol 3-phosphate acts as a timer for reactive oxygen species production in the phagosome. *Journal of leukocyte biology*, 101(5), 1155.

Royal AA, et al. (2017) Phosphatidylinositol-4,5-bisphosphate is required for KCNQ1/KCNE1 channel function but not anterograde trafficking. *PloS one*, 12(10), e0186293.

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.

Konishi A, et al. (2016) TRF2 Protein Interacts with Core Histones to Stabilize Chromosome Ends. *The Journal of biological chemistry*, 291(39), 20798.

Luo W, et al. (2016) Formin DAAM1 Organizes Actin Filaments in the Cytoplasmic Nodal Actin Network. *PloS one*, 11(10), e0163915.

Manna PT, et al. (2015) ENTH and ANTH domain proteins participate in AP2-independent clathrin-mediated endocytosis. *Journal of cell science*, 128(11), 2130.

Kim KH, et al. (2014) Intracellular membrane association of the *Aplysia* cAMP phosphodiesterase long and short forms via different targeting mechanisms. *The Journal of biological chemistry*, 289(37), 25797.