

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

PJ-INPP5E

RRID:Addgene_38001

Type: Plasmid

Proper Citation

RRID:Addgene_38001

Plasmid Information

URL: <http://www.addgene.org/38001>

Proper Citation: RRID:Addgene_38001

Insert Name: FKBP1A

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22722250](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pmRFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Compared to GenBank reference sequence NM_019892, the INPP5E insert in this plasmid contains a C641A mutation. Please see the full plasmid sequence for the most accurate information.

Plasmid Name: PJ-INPP5E

Record Creation Time: 20220422T222200+0000

Record Last Update: 20260815T081418+0000

Ratings and Alerts

No rating or validation information has been found for PJ-INPP5E.

No alerts have been found for PJ-INPP5E.

Data and Source Information

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Cohen HA, et al. (2023) The SOAR of STIM1 interacts with plasma membrane lipids to form ER-PM contact sites. *Cell reports*, 42(3), 112238.

Smulders L, et al. (2022) Phosphatidylinositol Monophosphates Regulate the Membrane Localization of HSPA1A, a Stress-Inducible 70-kDa Heat Shock Protein. *Biomolecules*, 12(6).

Braun C, et al. (2021) Membrane pools of phosphatidylinositol-4-phosphate regulate KCNQ1/KCNE1 membrane expression. *Communications biology*, 4(1), 1392.

Ren C, et al. (2019) Leukocyte Cytoskeleton Polarization Is Initiated by Plasma Membrane Curvature from Cell Attachment. *Developmental cell*, 49(2), 206.

Hayashi Y, et al. (2018) Complex formation of sphingomyelin synthase 1 with glucosylceramide synthase increases sphingomyelin and decreases glucosylceramide levels. *The Journal of biological chemistry*, 293(45), 17505.

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.

Hirama T, et al. (2017) Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. *The Journal of biological chemistry*, 292(34), 14292.

Ghai R, et al. (2017) ORP5 and ORP8 bind phosphatidylinositol-4, 5-bisphosphate (PtdIns(4,5)P₂) and regulate its level at the plasma membrane. *Nature communications*, 8(1), 757.

Sengelaub CA, et al. (2016) PTPRN2 and PLC γ 1 promote metastatic breast cancer cell migration through PI(4,5)P₂-dependent actin remodeling. *The EMBO journal*, 35(1), 62.