

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pEGFP-2xFYVE

RRID:Addgene_140047

Type: Plasmid

Proper Citation

RRID:Addgene_140047

Plasmid Information

URL: <http://www.addgene.org/140047>

Proper Citation: RRID:Addgene_140047

Insert Name: tandem HRS FYVE domain

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:10970851](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-2xFYVE

Relevant Mutation: two FYVE domains (amino acids 147-223), linked by QGQGS linker

Record Creation Time: 20220422T221809+0000

Record Last Update: 20260815T080638+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-2xFYVE.

No alerts have been found for pEGFP-2xFYVE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Shakespeare T, et al. (2026) Mapping Epidermal Growth Factor Receptor-1 Sorting Domains in Endosomes with a Calibrated Three-Dimensional Expansion Microscopy Toolkit. *ACS nano*, 20(12), 10074.

Tanaka Y, et al. (2024) Abemaciclib and Vacuolin-1 decrease aggregate-prone TDP-43 accumulation by accelerating autophagic flux. *Biochemistry and biophysics reports*, 38, 101705.

George K, et al. (2024) Robust GRK2/3/6-dependent desensitization of oxytocin receptor in neurons. *iScience*, 27(6), 110047.

Hoang HTM, et al. (2024) Application of bioluminescence resonance energy transfer assays in primary mouse neuronal cultures. *STAR protocols*, 5(3), 103228.

Wu MY, et al. (2023) Enhancement of efferocytosis through biased FPR2 signaling attenuates intestinal inflammation. *EMBO molecular medicine*, 15(12), e17815.

Horvath JD, et al. (2023) γ -Synuclein-dependent increases in PIP5K1 γ drive inositol signaling to promote neurotoxicity. *Cell reports*, 42(10), 113244.

Lee JE, et al. (2022) SHISA5/SCOTIN restrains spontaneous autophagy induction by blocking contact between the ERES and phagophores. *Autophagy*, 18(7), 1613.

Shi G, et al. (2022) Rapalogs downmodulate intrinsic immunity and promote cell entry of SARS-CoV-2. *bioRxiv : the preprint server for biology*.

Hanna MG, et al. (2022) SHIP164 is a chorein motif lipid transfer protein that controls endosome-Golgi membrane traffic. *The Journal of cell biology*, 221(6).

Podinovskaia M, et al. (2021) A novel live-cell imaging assay reveals regulation of endosome maturation. *eLife*, 10.

Bao Y, et al. (2021) PRKAA/AMPK γ phosphorylation switches the role of RASAL2 from a suppressor to an activator of autophagy. *Autophagy*, 17(11), 3607.

Chang HC, et al. (2021) The BAX-binding protein MOAP1 associates with LC3 and promotes closure of the phagophore. *Autophagy*, 17(11), 3725.

Williams CG, et al. (2021) Inhibitors of VPS34 and fatty-acid metabolism suppress SARS-CoV-2 replication. *Cell reports*, 36(5), 109479.