

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

PH-Btk-GFP

RRID:Addgene_51463

Type: Plasmid

Proper Citation

RRID:Addgene_51463

Plasmid Information

URL: <http://www.addgene.org/51463>

Proper Citation: RRID:Addgene_51463

Insert Name: BTK (aa 1–177)

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:9786958](#)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: PH-Btk-GFP

Record Creation Time: 20220422T222303+0000

Record Last Update: 20260815T081614+0000

Ratings and Alerts

No rating or validation information has been found for PH-Btk-GFP.

No alerts have been found for PH-Btk-GFP.

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 [RRID](#) .

Reimann GR, et al. (2025) PIKI-1, a class II phosphatidylinositol 3-kinase, functions in endocytic trafficking. *bioRxiv : the preprint server for biology*.

Tyler JJ, et al. (2025) A role for class I p21-activated kinases in the regulation of the excitability of the actin cytoskeleton. *Journal of cell science*, 138(12).

Junqueira Alves C, et al. (2025) Invasion of glioma cells through confined space requires membrane tension regulation and mechano-electrical coupling via Plexin-B2. *Nature communications*, 16(1), 272.

Buijze H, et al. (2023) Human GBP1 Is Involved in the Repair of Damaged Phagosomes/Endolysosomes. *International journal of molecular sciences*, 24(11).

Fitz GN, et al. (2023) Protrusion growth driven by myosin-generated force. *Developmental cell*, 58(1), 18.

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

Kokabee M, et al. (2022) Palmitoylation of the Alternative Amino Terminus of the BTK-C Isoform Controls Subcellular Distribution and Signaling. *Cancer genomics & proteomics*, 19(4), 415.

Al-Fahad D, et al. (2022) A Comparative Study to Visualize PtdIns(4,5) P2 and PtdIns(3,4,5) P3 in MDA-MB-231 Breast Cancer Cell Line. *Reports of biochemistry & molecular biology*, 10(4), 518.

Sun X, et al. (2022) Circular dorsal ruffles disturb the growth factor-induced PI3K-AKT pathway in hepatocellular carcinoma Hep3B cells. *Cell communication and signaling : CCS*, 20(1), 102.

Frey WD, et al. (2022) Phosphoinositide species and filamentous actin formation mediate engulfment by senescent tumor cells. *PLoS biology*, 20(10), e3001858.

Le AH, et al. (2021) CYRI-A limits invasive migration through macropinosome formation and integrin uptake regulation. *The Journal of cell biology*, 220(9).

Alfahad D, et al. (2020) PtdIns(4,5)P2 and PtdIns(3,4,5)P3 dynamics during focal adhesions assembly and disassembly in a cancer cell line. *Turkish journal of biology = Turk biyoloji dergisi*, 44(6), 381.

Zhang Y, et al. (2019) Tail domains of myosin-1e regulate phosphatidylinositol signaling and F-actin polymerization at the ventral layer of podosomes. *Molecular biology of the cell*, 30(5), 622.

Zhang N, et al. (2018) Leishmania parasitophorous vacuole membranes display phosphoinositides that create conditions for continuous Akt activation and a target for miltefosine in Leishmania infections. *Cellular microbiology*, 20(11), e12889.

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.