

Resource Summary Report

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

pGFP FAK

RRID:Addgene_50515

Type: Plasmid

Proper Citation

RRID:Addgene_50515

Plasmid Information

URL: <http://www.addgene.org/50515>

Proper Citation: RRID:Addgene_50515

Insert Name: protein tyrosine kinase

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10427092](#)

Vector Backbone Description: Backbone Marker:Yamada Lab, Tamura et al., Science 280: 1614-7 (1998); Vector Backbone:pGZ21dxZ; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Fluorophore encoded by this plasmid is ABB59962.1 with G66A.

Plasmid Name: pGFP FAK

Record Creation Time: 20220422T222258+0000

Record Last Update: 20260815T081608+0000

Ratings and Alerts

No rating or validation information has been found for pGFP FAK.

No alerts have been found for pGFP FAK.

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](#) .

Zhu Z, et al. (2026) Focal adhesion proteins confer smooth muscle anoikis resistance and protection against aortic aneurysm and dissection. JCI insight, 11(9).

Eissa IR, et al. (2026) The CD49b (ITGA2) collagen receptor excludes CD8+ T cell infiltration in pancreatic ductal adenocarcinoma. iScience, 29(7), 116500.

Duong VT, et al. (2024) Recycling machinery of integrin coupled with focal adhesion turnover via RAB11-UNC13D-FAK axis for migration of pancreatic cancer cells. Journal of translational medicine, 22(1), 800.

Jose L, et al. (2023) Focal Adhesion Kinase Binds to the HPV E2 Protein to Regulate Initial Replication after Infection. Pathogens (Basel, Switzerland), 12(10).

Velatooru LR, et al. (2021) Disturbed flow-induced FAK K152 SUMOylation initiates the formation of pro-inflammation positive feedback loop by inducing reactive oxygen species production in endothelial cells. Free radical biology & medicine, 177, 404.

Takahashi K, et al. (2021) ORP2 couples LDL-cholesterol transport to FAK activation by endosomal cholesterol/PI(4,5)P2 exchange. The EMBO journal, 40(14), e106871.

Sáenz-de-Santa-María I, et al. (2020) Blockage of Squamous Cancer Cell Collective Invasion by FAK Inhibition Is Released by CAFs and MMP-2. Cancers, 12(12).

Fuentes P, et al. (2020) ITGB3-mediated uptake of small extracellular vesicles facilitates intercellular communication in breast cancer cells. Nature communications, 11(1), 4261.

Keasey MP, et al. (2018) Blood vitronectin is a major activator of LIF and IL-6 in the brain through integrin-FAK and uPAR signaling. Journal of cell science, 131(3).

Li W, et al. (2017) Dentin sialoprotein facilitates dental mesenchymal cell differentiation and dentin formation. Scientific reports, 7(1), 300.

Dai L, et al. (2017) Phosphoinositide-specific phospholipase C?1 inhibition induces autophagy in human colon cancer and hepatocellular carcinoma cells. Scientific reports, 7(1), 13912.

Dowd GC, et al. (2016) Role of Host Type IA Phosphoinositide 3-Kinase Pathway Components in Invasin-Mediated Internalization of Yersinia enterocolitica. Infection and immunity, 84(6), 1826.

Wang X, et al. (2016) EphA7 modulates apical constriction of hindbrain neuroepithelium during neurulation in Xenopus. Biochemical and biophysical research communications, 479(4), 759.