

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.