

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

YF-Tiam1

RRID:Addgene_20154

Type: Plasmid

Proper Citation

RRID:Addgene_20154

Plasmid Information

URL: <http://www.addgene.org/20154>

Proper Citation: RRID:Addgene_20154

Insert Name: YFP-FKBP-Tiam1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15908919](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4733; Vector Backbone:EYFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: YF-Tiam1

Record Creation Time: 20220422T222050+0000

Record Last Update: 20260829T080152+0000

Ratings and Alerts

No rating or validation information has been found for YF-Tiam1.

No alerts have been found for YF-Tiam1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Mahlandt EK, et al. (2023) Cell-based optimization and characterization of genetically encoded location-based biosensors for Cdc42 or Rac activity. *Journal of cell science*, 136(10).

Chapelle J, et al. (2020) The N-terminal domain of the adaptor protein p140Cap interacts with Tiam1 and controls Tiam1/Rac1 axis. *American journal of cancer research*, 10(12), 4308.

Redka DS, et al. (2018) Differential ability of proinflammatory and anti-inflammatory macrophages to perform macropinocytosis. *Molecular biology of the cell*, 29(1), 53.

Reinhard NR, et al. (2017) The balance between G α i-Cdc42/Rac and G α 12/13-RhoA pathways determines endothelial barrier regulation by sphingosine-1-phosphate. *Molecular biology of the cell*, 28(23), 3371.

Schlam D, et al. (2015) Phosphoinositide 3-kinase enables phagocytosis of large particles by terminating actin assembly through Rac/Cdc42 GTPase-activating proteins. *Nature communications*, 6, 8623.

Schwechter B, et al. (2013) RasGRF2 Rac-GEF activity couples NMDA receptor calcium flux to enhanced synaptic transmission. *Proceedings of the National Academy of Sciences of the United States of America*, 110(35), 14462.

Bohdanowicz M, et al. (2013) Phosphatidic acid is required for the constitutive ruffling and macropinocytosis of phagocytes. *Molecular biology of the cell*, 24(11), 1700.