

Resource Summary Report

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

YFP-Cdc42(N17)

RRID:Addgene_11400

Type: Plasmid

Proper Citation

RRID:Addgene_11400

Plasmid Information

URL: <http://www.addgene.org/11400>

Proper Citation: RRID:Addgene_11400

Insert Name: cell division cycle 42

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15169870](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4731; Vector Backbone:pEYFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Expresses Cdc42(N17) with an N-terminal YFP marker. YFP is the monomeric (A207K) version of Citrine, a pH-insensitive YFP.

Plasmid Name: YFP-Cdc42(N17)

Relevant Mutation: Obtained with Threonine 17 changed to Asparagine.

Record Creation Time: 20220422T221557+0000

Record Last Update: 20260815T080217+0000

Ratings and Alerts

No rating or validation information has been found for YFP-Cdc42(N17).

No alerts have been found for YFP-Cdc42(N17).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Bulssico J, et al. (2025) Antibiotic-induced morphological changes enhance phage predation. PLoS pathogens, 21(10), e1013546.

Fray MA, et al. (2020) Vav2 lacks Ca²⁺ entry-promoting scaffolding functions unique to Vav1 and inhibits T cell activation via Cdc42. Journal of cell science, 133(5).

Miklavc P, et al. (2012) Actin coating and compression of fused secretory vesicles are essential for surfactant secretion--a role for Rho, formins and myosin II. Journal of cell science, 125(Pt 11), 2765.