

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pCyPet-Rac1(T17N)

RRID:Addgene_22784

Type: Plasmid

Proper Citation

RRID:Addgene_22784

Plasmid Information

URL: <http://www.addgene.org/22784>

Proper Citation: RRID:Addgene_22784

Insert Name: Rac1 (T17N)

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19693013](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pCyPet-C1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pCyPet-Rac1(T17N)

Relevant Mutation: Rac1 T17N.

Record Creation Time: 20220422T222101+0000

Record Last Update: 20260815T081215+0000

Ratings and Alerts

No rating or validation information has been found for pCyPet-Rac1(T17N).

No alerts have been found for pCyPet-Rac1(T17N).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Nakagawa N, et al. (2023) Golgi polarity shift instructs dendritic refinement in the neonatal cortex by mediating NMDA receptor signaling. Cell reports, 42(8), 112843.

Peng Y, et al. (2022) Non-muscle myosin II isoforms orchestrate substrate stiffness sensing to promote cancer cell contractility and migration. Cancer letters, 524, 245.

Nakazawa S, et al. (2020) Developmental Phase Transitions in Spatial Organization of Spontaneous Activity in Postnatal Barrel Cortex Layer 4. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(40), 7637.

Liu Y, et al. (2018) Social Isolation Induces Rac1-Dependent Forgetting of Social Memory. Cell reports, 25(2), 288.

Scott BL, et al. (2015) Optimizing fluorescent protein trios for 3-Way FRET imaging of protein interactions in living cells. Scientific reports, 5, 10270.