

# Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

## YFP-Rac1

RRID:Addgene\_11391

Type: Plasmid

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### Proper Citation

RRID:Addgene\_11391

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### Plasmid Information

**URL:** <http://www.addgene.org/11391>

**Proper Citation:** RRID:Addgene\_11391

**Insert Name:** ras-related C3 botulinum toxin substrate 1

**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 Rac1 with an N-terminal YFP marker. YFP is the monomeric (A207K) version of Citrine, a pH-insensitive YFP.

**Plasmid Name:** YFP-Rac1

**Record Creation Time:** 20220422T221556+0000

**Record Last Update:** 20260815T080216+0000

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### Ratings and Alerts

No rating or validation information has been found for YFP-Rac1.

No alerts have been found for YFP-Rac1.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Bao L, et al. (2022) The cellular function of ROP GTPase prenylation is important for multicellularity in the moss *Physcomitrium patens*. *Development* (Cambridge, England), 149(12).

Wang M, et al. (2021) Control of Intestinal Epithelial Permeability by Lysophosphatidic Acid Receptor 5. *Cellular and molecular gastroenterology and hepatology*, 12(3), 1073.

Fray MA, et al. (2020) Vav2 lacks Ca<sup>2+</sup> entry-promoting scaffolding functions unique to Vav1 and inhibits T cell activation via Cdc42. *Journal of cell science*, 133(5).

Singh RK, et al. (2019) Dynamic Actin Reorganization and Vav/Cdc42-Dependent Actin Polymerization Promote Macrophage Aggregated LDL (Low-Density Lipoprotein) Uptake and Catabolism. *Arteriosclerosis, thrombosis, and vascular biology*, 39(2), 137.

Fan SH, et al. (2016) Endosomal Na<sup>+</sup>/H<sup>+</sup> exchanger NHE5 influences MET recycling and cell migration. *Molecular biology of the cell*, 27(4), 702.