

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

## YFP-Rac2(V12)

RRID:Addgene\_11397

Type: Plasmid

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### Proper Citation

RRID:Addgene\_11397

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### Plasmid Information

**URL:** <http://www.addgene.org/11397>

**Proper Citation:** RRID:Addgene\_11397

**Insert Name:** ras-related C3 botulinum toxin substrate 2

**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 Rac2(V12) with an N-terminal YFP marker. YFP is the monomeric (A207K) version of Citrine, a pH-insensitive YFP.

**Plasmid Name:** YFP-Rac2(V12)

**Relevant Mutation:** Obtained with Glycine 12 changed to Valine.

**Record Creation Time:** 20220422T221557+0000

**Record Last Update:** 20260808T080505+0000

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### Ratings and Alerts

No rating or validation information has been found for YFP-Rac2(V12).

No alerts have been found for YFP-Rac2(V12).

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### Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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).