

Resource Summary Report

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

[pACT2.2gtwy](#)

RRID:Addgene_11346

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/11346>

Proper Citation: RRID:Addgene_11346

Insert Name: gateway cassette

Bacterial Resistance: Chloramphenicol and Ampicillin

Vector Backbone Description: Backbone Marker:see map of pACT2.2 in "author's map"; Backbone Size:7550; Vector Backbone:pACT2.2; Vector Types:Yeast Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Gateway-modified yeast two-hybrid Activation domain vector. Use this vector for Gateway cloning of a cDNA to be used to test a directed yeast two-hybrid interaction. This vector was modified from plasmid pACT2.2 by placing a Gateway acceptor cassette in the SmaI site of pACT2.2. To facilitate subcloning of a given DNA insert into this plasmid, Gateway recombinational attachment sites should be incorporated into primers used for amplification, as outlined in the Invitrogen Gateway manual. (Gateway is a registered trademark of Invitrogen Corporation.) Please note that the "author's map" is the map of the original pACT2.2 vector upon which pACT2.2gtwy is derived - it is not a map of pACT2.2gtwy. This plasmid is intended for use exclusively as a teaching resource as part of the Integrated Genomics Discovery-Based Laboratory Course. Addgene does not make any guarantee that the plasmid is suitable for research purposes.

Plasmid Name: pACT2.2gtwy

Record Creation Time: 20220422T221554+0000

Record Last Update: 20260815T080212+0000

Ratings and Alerts

No rating or validation information has been found for pACT2.2gtwy.

No alerts have been found for pACT2.2gtwy.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Brychka D, et al. (2024) Targeting monocytic Occludin impairs transendothelial migration and HIV neuroinvasion. EMBO reports, 25(8), 3276.

Jansen S, et al. (2021) Identification of host factors binding to dengue and Zika virus subgenomic RNA by efficient yeast three-hybrid screens of the human ORFeome. RNA biology, 18(5), 732.

Reichman R, et al. (2018) Mitotic and Meiotic Functions for the SUMOylation Pathway in the Caenorhabditis elegans Germline. Genetics, 208(4), 1421.

Jiao M, et al. (2018) Myosin II-interacting guanine nucleotide exchange factor promotes bleb retraction via stimulating cortex reassembly at the bleb membrane. Molecular biology of the cell, 29(5), 643.

Ohkuni K, et al. (2018) SUMO-Targeted Ubiquitin Ligases (STUbLs) Reduce the Toxicity and Abnormal Transcriptional Activity Associated With a Mutant, Aggregation-Prone Fragment of Huntingtin. Frontiers in genetics, 9, 379.

Dowil RT, et al. (2011) Arabidopsis membrane-anchored ubiquitin-fold (MUB) proteins localize a specific subset of ubiquitin-conjugating (E2) enzymes to the plasma membrane. The Journal of biological chemistry, 286(17), 14913.