

Resource Summary Report

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

pcDNA3.1 AT1R DRY-AA Y

RRID:Addgene_45759

Type: Plasmid

Proper Citation

RRID:Addgene_45759

Plasmid Information

URL: <http://www.addgene.org/45759>

Proper Citation: RRID:Addgene_45759

Insert Name: AT1R DRY-AA Y

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12746278](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The cDNA of the rat vascular smooth muscle AT1A receptor was donated by Dr. K. E. Bernstein (Emory University, Atlanta, GA). Mutations in the rat AT1A receptor were performed with the Mutagene kit(Bio-Rad Laboratories, Inc., Hercules, CA) N4D mutation is present to prevent glycosylation at this consensus site and steric hindrance of antibody binding.

Plasmid Name: pcDNA3.1 AT1R DRY-AA Y

Relevant Mutation: changed amino acids 125-126 from DR to AA

Record Creation Time: 20220422T222236+0000

Record Last Update: 20260815T081526+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1 AT1R DRY-AA Y.

No alerts have been found for pcDNA3.1 AT1R DRY-AAY.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Zaccor NW, et al. (2020) The nonselective cation channel TRPV4 inhibits angiotensin II receptors. The Journal of biological chemistry, 295(29), 9986.