

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

pCDNA3.1 AT1AR-TSTS/4A

RRID:Addgene_45634

Type: Plasmid

Proper Citation

RRID:Addgene_45634

Plasmid Information

URL: <http://www.addgene.org/45634>

Proper Citation: RRID:Addgene_45634

Insert Name: AT1AR-TSTS/A

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15355986](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5000; Vector Backbone:pcDNA3.1/Zeo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Mutant AT1A receptors were generated by mutagenesis PCR using pcDNA3.1-HA-AT1A receptor (provided by M. G. Caron, Duke University) as a template and a QuikChange multisite-directed mutagenesis kit (Stratagene) according to the manufacturer's instructions. The primer for the TSTS/A receptor was: 5' p-CTCAAGCCTGTCTGCGAAATGGCCGCTTGCTTACCGGCCTTC 3'. N4D mutation introduced to prevent glycosylation at this consensus site and steric hindrance of antibody binding.

Plasmid Name: pCDNA3.1 AT1AR-TSTS/4A

Relevant Mutation: Thr332, Ser335, Thr336, and Ser338 all changed to Alanine

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260815T081525+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA3.1 AT1AR-TSTS/4A.

No alerts have been found for pCDNA3.1 AT1AR-TSTS/4A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.