

Resource Summary Report

Generated by [dkNET](#) on Aug 29, 2026

pcDNA3.1_rSERT_C109A_Y107C

RRID:Addgene_190174

Type: Plasmid

Proper Citation

RRID:Addgene_190174

Plasmid Information

URL: <http://www.addgene.org/190174>

Proper Citation: RRID:Addgene_190174

Insert Name: SLC6A4 Serotonin Transporter

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17698848](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA 3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1_rSERT_C109A_Y107C

Relevant Mutation: changed Cys109 to alanine, changed tyr107 to cysteine

Record Creation Time: 20221216T080413+0000

Record Last Update: 20260829T081514+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1_rSERT_C109A_Y107C.

No alerts have been found for pcDNA3.1_rSERT_C109A_Y107C.

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 [dkNET](#) .

Singh I, et al. (2023) Structure-based discovery of conformationally selective inhibitors of the serotonin transporter. Cell, 186(10), 2160.