

Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

Cav2.2e[?a10, ?18a, ?24a, 31a, 37b, 46]

RRID:Addgene_26570

Type: Plasmid

Proper Citation

RRID:Addgene_26570

Plasmid Information

URL: <http://www.addgene.org/26570>

Proper Citation: RRID:Addgene_26570

Insert Name: calcium channel alpha-1B subunit

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9010213](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5100; Vector Backbone:pcDNA6/V5-His ABC; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Isolated from superior cervical ganglia. For more information about this plasmid:

<http://neuroscience.brown.edu/LipscombeLab/homepage/otherpages/clonespage/clonespage1.htm>

Also see: GENBANK AF222337

Plasmid Name: Cav2.2e[?a10, ?18a, ?24a, 31a, 37b, 46]

Relevant Mutation: Deletion of exons a10, 18a, and 24a. Contains exons 31a, 37b, and 46.

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260815T081254+0000

Ratings and Alerts

No rating or validation information has been found for Cav2.2e[?a10, ?18a, ?24a, 31a, 37b, 46].

No alerts have been found for Cav2.2e[?a10, ?18a, ?24a, 31a, 37b, 46].

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Cameron KN, et al. (2015) Amphetamine activates calcium channels through dopamine transporter-mediated depolarization. Cell calcium, 58(5), 457.

Ruchala I, et al. (2014) Electrical coupling between the human serotonin transporter and voltage-gated Ca(2+) channels. Cell calcium, 56(1), 25.