Resource Summary Report

Generated by RRID on Aug 20, 2026

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

RRID:Addgene_26571
Type: Plasmid

Proper Citation

RRID:Addgene_26571

Plasmid Information

URL: http://www.addgene.org/26571

Proper Citation: RRID:Addgene_26571

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 31a Contains exons 24a, 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 3 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Castro-Junior C, et al. (2023) ?-Phonetoxins inhibit voltage-gated calcium CaV2.2 ion channel splice isoforms of dorsal root ganglia. bioRxiv : the preprint server for biology.

Bunda A, et al. (2019) Cacna1b alternative splicing impacts excitatory neurotransmission and is linked to behavioral responses to aversive stimuli. Molecular brain, 12(1), 81.

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