

Resource Summary Report

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

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

RRID:Addgene_26568

Type: Plasmid

Proper Citation

RRID:Addgene_26568

Plasmid Information

URL: <http://www.addgene.org/26568>

Proper Citation: RRID:Addgene_26568

Insert Name: calcium channel alpha-1B subunit

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10864934](#)

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: contains exons a10, 18a, 31a, 37b, and 46. Deletion of exon 24a

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 [dkNET](#) .

Aguggia J, et al. (2024) Selective Colocalization of GHSR and GLP-1R in a Subset of Hypothalamic Neurons and Their Functional Interaction. *Endocrinology*, 166(1).

Ferrante D, et al. (2021) PRRT2 modulates presynaptic Ca²⁺ influx by interacting with P/Q-type channels. *Cell reports*, 35(11), 109248.

Mortensen OV, et al. (2013) MKP3 eliminates depolarization-dependent neurotransmitter release through downregulation of L-type calcium channel Cav1.2 expression. *Cell calcium*, 53(3), 224.