

Resource Summary Report

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

CaV1.3e[8a,11,31b,?32,42a] mut

RRID:Addgene_26576

Type: Plasmid

Proper Citation

RRID:Addgene_26576

Plasmid Information

URL: <http://www.addgene.org/26576>

Proper Citation: RRID:Addgene_26576

Insert Name: CACNA1D

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11487617](#)

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>

Plasmid Name: CaV1.3e[8a,11,31b,?32,42a] mut

Relevant Mutation: Contains exons 8a, 11, 31b and 42a.Deletion of exon 32. nt 3310 (GTG->GCG) [Val->Ala]; nt 731 (TCA->GGA) [Ser->Gly].

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260815T081254+0000

Ratings and Alerts

No rating or validation information has been found for CaV1.3e[8a,11,31b,?32,42a] mut.

No alerts have been found for CaV1.3e[8a,11,31b,?32,42a] mut.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Yang T, et al. (2020) L- and T-type calcium channels control aldosterone production from human adrenals. *The Journal of endocrinology*, 244(1), 237.

Hristov K, et al. (2018) Expression of voltage-gated calcium channels augments cell susceptibility to membrane disruption by nanosecond pulsed electric field. *Biochimica et biophysica acta. Biomembranes*, 1860(11), 2175.

Polster A, et al. (2018) Stac Proteins Suppress Ca²⁺-Dependent Inactivation of Neuronal I-type Ca²⁺ Channels. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(43), 9215.

Moreno CM, et al. (2016) Ca(2+) entry into neurons is facilitated by cooperative gating of clustered CaV1.3 channels. *eLife*, 5.

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

Chen R, et al. (2014) Cav1.3 channel β 1D protein is overexpressed and modulates androgen receptor transactivation in prostate cancers. *Urologic oncology*, 32(5), 524.