

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

CaV2.1 (pCR3.1)

RRID:Addgene_26573

Type: Plasmid

Proper Citation

RRID:Addgene_26573

Plasmid Information

URL: <http://www.addgene.org/26573>

Proper Citation: RRID:Addgene_26573

Insert Name: Cacna1a

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18001290](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5060; Vector Backbone:pCR3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The fragment was amplified from mouse brain. The GenBank sequence is AY714490.

Plasmid Name: CaV2.1 (pCR3.1)

Record Creation Time: 20220422T222119+0000

Record Last Update: 20260815T081254+0000

Ratings and Alerts

No rating or validation information has been found for CaV2.1 (pCR3.1).

No alerts have been found for CaV2.1 (pCR3.1).

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 [RRID](#) .

Ojala KS, et al. (2021) A high-affinity, partial antagonist effect of 3,4-diaminopyridine mediates action potential broadening and enhancement of transmitter release at NMJs. The Journal of biological chemistry, 296, 100302.

Heck J, et al. (2019) Transient Confinement of CaV2.1 Ca²⁺-Channel Splice Variants Shapes Synaptic Short-Term Plasticity. Neuron, 103(1), 66.