

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

?1GA-HE3-pcDNA3

RRID:Addgene_45812

Type: Plasmid

Proper Citation

RRID:Addgene_45812

Plasmid Information

URL: <http://www.addgene.org/45812>

Proper Citation: RRID:Addgene_45812

Insert Name: ?1Ga

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Perez-Reyes; Backbone Size:5500; Vector Backbone:pcDNA3-HE3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Identification of Cav3.1 is described in Nature. 1998 Feb 26;391(6670):896-900. Note that there are some differences compared to GenBank AF027984 (H1061L, deletion of amino acid L at 1700, H1735D, F2149S and F2170S) which was sequenced manually at the time. The Addgene NGS sequence is accurate.

Plasmid Name: ?1GA-HE3-pcDNA3

Record Creation Time: 20240307T080637+0000

Record Last Update: 20260815T082907+0000

Ratings and Alerts

No rating or validation information has been found for ?1GA-HE3-pcDNA3.

No alerts have been found for ?1GA-HE3-pcDNA3.

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](#) .

Zhou X, et al. (2025) Inherent fast inactivation particle of Nav channels as a new binding site for a neurotoxin. The EMBO journal, 44(11), 3180.

Zhao Y, et al. (2017) Amyloid Beta Peptides Block New Synapse Assembly by Nogo Receptor-Mediated Inhibition of T-Type Calcium Channels. Neuron, 96(2), 355.