

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pMT2 Beta1b GFP

RRID:Addgene_89893

Type: Plasmid

Proper Citation

RRID:Addgene_89893

Plasmid Information

URL: <http://www.addgene.org/89893>

Proper Citation: RRID:Addgene_89893

Insert Name: Cacnb1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27489103](#)

Vector Backbone Description: Backbone Size:5129; Vector Backbone:pMT2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pMT2 Beta1b GFP

Relevant Mutation: GFP sequence inserted just before the Stop codon

Record Creation Time: 20220422T222610+0000

Record Last Update: 20260815T082201+0000

Ratings and Alerts

No rating or validation information has been found for pMT2 Beta1b GFP.

No alerts have been found for pMT2 Beta1b GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Chin M, et al. (2024) The intracellular C-terminus confers compartment-specific targeting of voltage-gated calcium channels. *Cell reports*, 43(7), 114428.

Chin M, et al. (2023) The intracellular C-terminus confers compartment-specific targeting of voltage-gated Ca²⁺ channels. *bioRxiv : the preprint server for biology*.

Tan C, et al. (2022) Rebuilding essential active zone functions within a synapse. *Neuron*, 110(9), 1498.

Held RG, et al. (2020) Synapse and Active Zone Assembly in the Absence of Presynaptic Ca²⁺ Channels and Ca²⁺ Entry. *Neuron*, 107(4), 667.

Meyer JO, et al. (2019) Disruption of the Key Ca²⁺ Binding Site in the Selectivity Filter of Neuronal Voltage-Gated Calcium Channels Inhibits Channel Trafficking. *Cell reports*, 29(1), 22.