

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

B6;129S4-Cacna1b^{tm1Ttan}/TtanRbrc

RRID:IMSR_RBRC04884

Type: Organism

Proper Citation

RRID:IMSR_RBRC04884

Organism Information

URL: <https://brc.riken.jp/mus/RBRC04884>

Proper Citation: RRID:IMSR_RBRC04884

Description: Mus musculus with name B6;129S4-Cacna1b^{tm1Ttan}/TtanRbrc from IMSR.

Species: Mus musculus

Notes: gene symbol note: calcium channel; voltage-dependent; N type; alpha 1B subunit; mutant stock: Cacna1b

Affected Gene: calcium channel; voltage-dependent; N type; alpha 1B subunit

Genomic Alteration: targeted mutation 1; Tsutomu Tanabe

Catalog Number: RBRC04884

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6;129S4-Cacna1b^{tm1Ttan}/TtanRbrc

Record Creation Time: 20250513T061458+0000

Record Last Update: 20260919T063219+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-Cacna1b^{tm1Ttan}/TtanRbrc.

No alerts have been found for B6;129S4-Cacna1b^{tm1Ttan}/TtanRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Wintz K, et al. (2026) In-depth characterization of the CaV2.2-knockout mouse line. Scientific reports, 16(1).