

Resource Summary Report

Generated by [T1D](#) on Sep 18, 2026

[Cacna1b^{tm1Ksw}](#)/[Cacna1b^{tm1Ksw}](#)

RRID:MGI:3629048

Type: Organism

Proper Citation

RRID:MGI:3629048

Organism Information

URL:

Proper Citation: RRID:MGI:3629048

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: abnormal channel response, decreased circulating glucagon level, hyperactivity, abnormal frequency of paradoxical sleep, fragmentation of sleep/wake states, abnormal sleep pattern, homeostasis/metabolism phenotype, abnormal lipid level, homeostasis/metabolism phenotype, increased thermal nociceptive threshold, decreased circulating triglyceride level, decreased circulating leptin level, behavior/neurological phenotype, growth/size/body region phenotype, endocrine/exocrine gland phenotype, decreased susceptibility to diet-induced obesity, increased chemical nociceptive threshold, hypertension, abnormal baroreceptor physiology, abnormal sympathetic nervous system physiology, improved glucose tolerance, decreased circulating insulin level, increased heart rate

Affected Gene: Cacna1b

Genomic Alteration: tm1Ksw

Catalog Number: 3629048

Background: involves: C57BL/6 * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11496122](#), [PMID:15870896](#), [PMID:12890773](#), [PMID:11296258](#)

Organism Name: Cacna1b^{tm1Ksw}/Cacna1b^{tm1Ksw}

Record Creation Time: 20240120T190554+0000

Record Last Update: 20240130T202001+0000

Ratings and Alerts

No rating or validation information has been found for Cacna1b^{tm1Ksw}/Cacna1b^{tm1Ksw}.

No alerts have been found for Cacna1b^{tm1Ksw}/Cacna1b^{tm1Ksw}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.