

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 3, 2026

[Kcnk2^{tm1Lzd}/Kcnk2^{tm1Lzd}](#)

RRID:MGI:3050295

Type: Organism

Proper Citation

RRID:MGI:3050295

Organism Information

URL:

Proper Citation: RRID:MGI:3050295

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

Species: Mus musculus

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

Phenotype: increased sensitivity to xenobiotic induced morbidity/mortality, decreased physiological sensitivity to xenobiotic, impaired behavioral response to xenobiotic, increased susceptibility to pharmacologically induced seizures, increased sensitivity to induced morbidity/mortality, increased susceptibility to ischemic brain injury, altered response to CNS ischemic injury

Affected Gene: Kcnk2

Genomic Alteration: tm1Lzd

Catalog Number: 3050295

Background: involves: 129 * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15175651](#)

Organism Name: Kcnk2^{tm1Lzd}/Kcnk2^{tm1Lzd}

Record Creation Time: 20240120T190654+0000

Record Last Update: 20240130T202036+0000

Ratings and Alerts

No rating or validation information has been found for Kcnk2^{tm1Lzd}/Kcnk2^{tm1Lzd}.

No alerts have been found for Kcnk2^{tm1Lzd}/Kcnk2^{tm1Lzd}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Boyer R, et al. (2025) LPS2336, a New TREK-1 Channel Activator Identified by High Throughput Screening. Biomolecules, 15(5).

Busserolles J, et al. (2020) TREK1 channel activation as a new analgesic strategy devoid of opioid adverse effects. British journal of pharmacology, 177(20), 4782.