

Resource Summary Report

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B6.129X1(SJL)-Scn1a^{tm2.1Wac}/Mmucd

RRID:MMRRC_041829-UCD

Type: Organism

Proper Citation

RRID:MMRRC_041829-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=41829

Proper Citation: RRID:MMRRC_041829-UCD

Description: Mus musculus with name B6.129X1(SJL)-Scn1a^{tm2.1Wac}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Models for Human Disease, Neurobiology, Research Tools, Sensorineural; Mutation Type: other ; Collection:

Phenotype: seizures [MP:0002064]| premature death [MP:0002083]| clonic seizures [MP:0003996]| tonic-clonic seizures [MP:0003997]| environmentally induced seizures [MP:0009358]| postnatal lethality [MP:0011086]

Affected Gene: Scn1a

Catalog Number: 041829-UCD

Background: other

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:22908258](#), [PMID:23524966](#), [PMID:25766678](#), [PMID:26017580](#)

Alternate IDs: MMRRC_41829-UCD, MMRRC_041829, MMRRC_41829

Organism Name: B6.129X1(SJL)-*Scn1a*^{tm2.1Wac}/Mmucd

Record Creation Time: 20230308T055221+0000

Record Last Update: 20250510T110054+0000

Ratings and Alerts

No rating or validation information has been found for B6.129X1(SJL)-*Scn1a*^{tm2.1Wac}/Mmucd.

No alerts have been found for B6.129X1(SJL)-*Scn1a*^{tm2.1Wac}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Mavashov A, et al. (2023) Heat-induced seizures, premature mortality, and hyperactivity in a novel *Scn1a* nonsense model for Dravet syndrome. *Frontiers in cellular neuroscience*, 17, 1149391.

Goff KM, et al. (2023) VIP interneuron impairment promotes in vivo circuit dysfunction and autism-related behaviors in Dravet syndrome. *Cell reports*, 42(6), 112628.

Espino CM, et al. (2022) NaV1.1 is essential for proprioceptive signaling and motor behaviors. *eLife*, 11.

Williams AD, et al. (2019) A more efficient conditional mouse model of Dravet syndrome: Implications for epigenetic selection and sex-dependent behaviors. *Journal of neuroscience methods*, 325, 108315.