Resource Summary Report

Generated by RRID on Aug 5, 2026

B6.129S1-*Kcnj10*^{tm1Lst}/Mmnc

RRID:MMRRC_000209-UNC
Type: Organism

Proper Citation

RRID:MMRRC_000209-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=209

Proper Citation: RRID:MMRRC_000209-UNC

Description: Mus musculus with name B6.129S1-*Kcnj10*^{tm1Lst}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Apoptosis, Developmental Biology, Models for Human Disease, Neurobiology, Research Tools, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal cochlea morphology [MP:0000031]| organ of Corti degeneration [MP:0000043]| abnormal stria vascularis morphology [MP:0000048]| tremors [MP:0000745]| weakness [MP:0000746]| hindlimb paralysis [MP:0000755]| abnormal myelination [MP:0000920]| abnormal oligodendrocyte morphology [MP:0000953]| abnormal spinal cord morphology [MP:0000955]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| dehydration [MP:0001429]| abnormal posture [MP:0001504]| abnormal motor coordination/balance [MP:0001516]| impaired righting response [MP:0001523]| impaired balance [MP:0001525]| postnatal growth retardation [MP:0001732]| polyuria [MP:0001762]| abnormal motor capabilities/coordination/movement [MP:0002066]| abnormal nervous system electrophysiology [MP:0002272]| abnormal renal tubule morphology [MP:0002703]| cochlear ganglion degeneration [MP:0002857]| decreased urine calcium level [MP:0002986]| abnormal tectorial membrane morphology [MP:0003149]| abnormal scala media morphology [MP:0003169]| vestibular ganglion degeneration [MP:0004298]| vestibular hair cell degeneration [MP:0004324]| vestibular saccular macula degeneration [MP:0004331]| utricular macular degeneration [MP:0004334]| cochlear inner hair cell degeneration [MP:0004398]| cochlear outer hair cell degeneration [MP:0004404]| abnormal crista ampullaris neuroepithelium morphology [MP:0004409]| absent endocochlear potential [MP:0004410]| abnormal cochlear nerve morphology [MP:0004716]| abnormal eye physiology [MP:0005253]| axon degeneration [MP:0005405]|

jerky movement [MP:0005424]| abnormal eye electrophysiology [MP:0005551]| abnormal Reissner membrane morphology [MP:0006021]| collapsed Reissner membrane [MP:0006024]| distended Reissner membrane [MP:0006025]| increased urine sodium level [MP:0006316]| impaired hearing [MP:0006325]| absent pinna reflex [MP:0006358]| absent startle reflex [MP:0006359]| abnormal cochlear endolymph ionic homeostasis [MP:0006403]| abnormal spinal cord white matter morphology [MP:0008027]| postnatal lethality [MP:0011085]| complete penetrance [MP:0011471]| decreased urine creatinine level [MP:0011967]

Affected Gene: Kcnj10

Catalog Number: 000209-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:10908613

Alternate IDs: MMRRC_209-UNC, MMRRC_000209, MMRRC_29

Organism Name: B6.129S1-*Kcnj10*^{tm1Lst}/Mmnc

Record Creation Time: 20230308T054751+0000

Record Last Update: 20260801T123211+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1-*Kcnj10*^{tm1Lst}/Mmnc.

No alerts have been found for B6.129S1-*Kcnj10*^{tm1Lst}/Mmnc.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.