

# Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

## B6.129S1-Kcnj10<sup>tm1Lst</sup>/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](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=209)

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**Description:** Mus musculus with name B6.129S1-Kcnj10<sup>tm1Lst</sup>/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](https://pubmed.ncbi.nlm.nih.gov/10908613/)

**Alternate IDs:** MMRRC\_209-UNC, MMRRC\_000209, MMRRC\_29

**Organism Name:** B6.129S1-*Kcnj10*<sup>tm1Lst</sup>/Mmnc

**Record Creation Time:** 20230308T054751+0000

**Record Last Update:** 20260801T123211+0000

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## Ratings and Alerts

No rating or validation information has been found for B6.129S1-*Kcnj10*<sup>tm1Lst</sup>/Mmnc.

No alerts have been found for B6.129S1-*Kcnj10*<sup>tm1Lst</sup>/Mmnc.

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## Data and Source Information

**Source:** [Integrated Animals](#)

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.