

Resource Summary Report

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

B6;129S5-Slc26a5^{tm1Jnz}/Mmnc

RRID:MMRRC_010570-UNC

Type: Organism

Proper Citation

RRID:MMRRC_010570-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=10570

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Description: Mus musculus with name B6;129S5-Slc26a5^{tm1Jnz}/Mmnc from MMRRC.

Species: Mus musculus

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

Phenotype: organ of Corti degeneration [MP:0000043]| decreased body weight [MP:0001262]| deafness [MP:0001967]| cochlear ganglion degeneration [MP:0002857]| cochlear hair cell degeneration [MP:0004362]| cochlear inner hair cell degeneration [MP:0004398]| abnormal cochlear outer hair cell morphology [MP:0004399]| cochlear outer hair cell degeneration [MP:0004404]| absent cochlear microphonics [MP:0004413]| decreased cochlear microphonics [MP:0004414]| decreased cochlear nerve compound action potential [MP:0004417]| abnormal Claudius cell morphology [MP:0004430]| absent cochlear outer hair cell electromotility [MP:0004436]| decreased cochlear outer hair cell electromotility [MP:0004437]| degeneration of organ of Corti supporting cells [MP:0004465]| short cochlear outer hair cells [MP:0004466]| abnormal distortion product otoacoustic emission [MP:0004736]| absent distortion product otoacoustic emissions [MP:0004737]| increased cochlear nerve compound action potential [MP:0004767]| impaired hearing [MP:0006325]| abnormal otoacoustic response [MP:0006336]| increased or absent threshold for auditory brainstem response [MP:0011967]

Affected Gene: Slc26a5

Catalog Number: 010570-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:12239568](#), [PMID:15207913](#), [PMID:15319415](#)

Alternate IDs: MMRRC_10570-UNC, MMRRC_010570, MMRRC_157

Organism Name: B6;129S5-Slc26a5^{tm1Jnz}/Mmnc

Record Creation Time: 20230308T054906+0000

Record Last Update: 20260801T123540+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-Slc26a5^{tm1Jnz}/Mmnc.

No alerts have been found for B6;129S5-Slc26a5^{tm1Jnz}/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.