

Resource Summary Report

Generated by T1D on Sep 18, 2026

[Slc4a7^{tm1Krtz}/Slc4a7^{tm1Krtz}](#)

RRID:MGI:2682644

Type: Organism

Proper Citation

RRID:MGI:2682644

Organism Information

URL:

Proper Citation: RRID:MGI:2682644

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

Species: Mus musculus

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

Phenotype: retinal photoreceptor degeneration, type IV spiral ligament fibrocyte degeneration, abnormal stria vascularis morphology, abnormal rod electrophysiology, abnormal spiral ligament fibrocyte morphology, cochlear hair cell degeneration, cochlear degeneration, increased or absent threshold for auditory brainstem response, organ of Corti degeneration, cochlear inner hair cell degeneration, cochlear inner hair cell degeneration, cochlear outer hair cell degeneration, degeneration of organ of Corti supporting cells, cochlear ganglion degeneration, abnormal Claudius cell morphology, short photoreceptor outer segment, cochlear hair cell degeneration, blindness, collapsed Reissner membrane, abnormal retinal apoptosis, abnormal retinal vasculature morphology, abnormal spiral ligament morphology, photoreceptor outer segment degeneration, thin retinal outer nuclear layer, abnormal auditory brainstem response waveform shape, abnormal ocular fundus morphology, cochlear outer hair cell degeneration, decreased retinal photoreceptor cell number, cochlear ganglion degeneration, type II spiral ligament fibrocyte degeneration, abnormal type I spiral ligament fibrocytes

Affected Gene: Slc4a7

Genomic Alteration: tm1Krtz

Catalog Number: 2682644

Background: involves: 129S5/SvEvBrd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12808454](#), [PMID:16181686](#)

Organism Name: Slc4a7^{tm1Krtz}/Slc4a7^{tm1Krtz}

Record Creation Time: 20240120T190718+0000

Record Last Update: 20240130T202123+0000

Ratings and Alerts

No rating or validation information has been found for Slc4a7^{tm1Krtz}/Slc4a7^{tm1Krtz}.

No alerts have been found for Slc4a7^{tm1Krtz}/Slc4a7^{tm1Krtz}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.