

# Resource Summary Report

Generated by [kravitz2](#) on Sep 1, 2026

## [Slc4a7<sup>tm1Krtz</sup>/Slc4a7<sup>tm1Krtz</sup>](#)

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<sup>tm1Krtz</sup>/Slc4a7<sup>tm1Krtz</sup>

**Record Creation Time:** 20240120T190718+0000

**Record Last Update:** 20240130T202123+0000

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## Ratings and Alerts

No rating or validation information has been found for Slc4a7<sup>tm1Krtz</sup>/Slc4a7<sup>tm1Krtz</sup>.

No alerts have been found for Slc4a7<sup>tm1Krtz</sup>/Slc4a7<sup>tm1Krtz</sup>.

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## Data and Source Information

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

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.