

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 28, 2026

[Slc4a11^{tm1Boet}](#)/[Slc4a11^{tm1Boet}](#)

RRID:MGI:4820770

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:4820770

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

Species: Mus musculus

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

Phenotype: polyuria, abnormal spiral ligament fibrocyte morphology, abnormal auditory brainstem response, increased urine chloride ion level, decreased urine osmolality, increased urine sodium level, increased urine magnesium level, abnormal corneal epithelium morphology, decreased endocochlear potential, corneal deposits, impaired hearing, increased corneal stroma thickness, increased urine potassium level, abnormal corneal endothelium morphology, abnormal corneal stroma morphology, increased corneal epithelium thickness, abnormal Descemet membrane

Affected Gene: Slc4a11

Genomic Alteration: tm1Boet

Catalog Number: 4820770

Background: involves: 129 * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20185830](#)

Organism Name: Slc4a11^{tm1Boet}/Slc4a11^{tm1Boet}

Record Creation Time: 20240120T190250+0000

Record Last Update: 20240130T201858+0000

Ratings and Alerts

No rating or validation information has been found for Slc4a11^{tm1Boet}/Slc4a11^{tm1Boet}.

No alerts have been found for Slc4a11^{tm1Boet}/Slc4a11^{tm1Boet}.

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.