

# Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

## [Slc4a4<sup>tm1.1Slin</sup>/Slc4a4<sup>tm1.1Slin</sup>](#)

RRID:MGI:5433858

Type: Organism

### Proper Citation

RRID:MGI:5433858

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:5433858

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

**Species:** Mus musculus

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

**Phenotype:** decreased body size, corneal opacity, decreased gastrocnemius weight, decreased hemoglobin content, decreased kidney weight, metabolic acidosis, abnormal blood homeostasis, renal tubule atrophy, increased urine sodium level, increased long bone epiphyseal plate size, dilated renal tubules, decreased urine osmolality, abnormal skeleton morphology, abnormal renal tubule epithelium morphology, abnormal compact bone morphology, anemia, enlarged spleen, increased spleen weight, reticulocytosis, abnormal renal reabsorption, abnormal blood circulation, acidemia, acidosis, postnatal lethality, complete penetrance, postnatal growth retardation, increased urine calcium level, abnormal intestine physiology, abnormal intestine morphology, increased circulating aldosterone level, uremia, renal tubular acidosis, increased circulating calcium level, decreased urine pH, edema, abnormal urine homeostasis, increased circulating renin level, decreased length of long bones

**Affected Gene:** Slc4a4

**Genomic Alteration:** tm1.1Slin

**Catalog Number:** 5433858

**Background:** involves: 129S1/Sv \* 129X1/SvJ \* C57BL/6

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

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:21228764](#)

**Organism Name:** Slc4a4<sup>tm1.1Slin</sup>/Slc4a4<sup>tm1.1Slin</sup>

**Record Creation Time:** 20240120T190139+0000

**Record Last Update:** 20240130T201736+0000

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## Ratings and Alerts

No rating or validation information has been found for Slc4a4<sup>tm1.1Slin</sup>/Slc4a4<sup>tm1.1Slin</sup>.

No alerts have been found for Slc4a4<sup>tm1.1Slin</sup>/Slc4a4<sup>tm1.1Slin</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.