

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 5, 2026

[Slc4a1^{tm1Llp}/Slc4a1^{tm1Llp}](#)

RRID:MGI:2672144

Type: Organism

Proper Citation

RRID:MGI:2672144

Organism Information

URL:

Proper Citation: RRID:MGI:2672144

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

Species: Mus musculus

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

Phenotype: postnatal growth retardation, decreased circulating bicarbonate level, abnormal blood homeostasis, premature death, increased circulating chloride level, increased sensitivity to xenobiotic induced morbidity/mortality, abnormal urine homeostasis, kidney medulla atrophy, decreased urine osmolality, increased urine calcium level, dehydration, decreased creatinine clearance, nephrocalcinosis, weight loss, hemolysis, abnormal kidney physiology, metabolic acidosis, slow postnatal weight gain, reticulocytosis, increased blood osmolality, increased blood urea nitrogen level, polyuria, decreased hematocrit, acidemia, increased urine pH, increased circulating phosphate level, hyperchromasia, microcytosis, postnatal lethality, incomplete penetrance, abnormal mean corpuscular hemoglobin, spherocytosis, polychromatophilia, poikilocytosis, abnormal erythrocyte morphology, microcytic anemia, decreased hemoglobin content, decreased erythrocyte cell number, decreased hematocrit, abnormal definitive hematopoiesis, increased nucleated erythrocyte cell number, decreased mean corpuscular volume, enlarged spleen, reticulocytosis, pallor, absent erythroid progenitor cell, abnormal proerythroblast morphology

Affected Gene: Slc4a1

Genomic Alteration: tm1Llp

Catalog Number: 2672144

Background: involves: 129S4/SvJae * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:8808627](#), [PMID:17409310](#), [PMID:12669066](#)

Organism Name: Slc4a1^{tm1Llp}/Slc4a1^{tm1Llp}

Record Creation Time: 20240120T190729+0000

Record Last Update: 20240130T202056+0000

Ratings and Alerts

No rating or validation information has been found for Slc4a1^{tm1Llp}/Slc4a1^{tm1Llp}.

No alerts have been found for Slc4a1^{tm1Llp}/Slc4a1^{tm1Llp}.

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.