

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

STOCK *Slc4a4*^{tm1Ges}/Mmjax

RRID:MMRRC_034263-JAX

Type: Organism

Proper Citation

RRID:MMRRC_034263-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34263

Proper Citation: RRID:MMRRC_034263-JAX

Description: Mus musculus with name STOCK *Slc4a4*^{tm1Ges}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection:

Phenotype: brittle teeth [MP:0000126]| decreased hematocrit [MP:0000208]| abnormal cranium morphology [MP:0000438]| enlarged spleen [MP:0000691]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| postnatal growth retardation [MP:0001732]| abnormal ion homeostasis [MP:0001765]| abnormal megakaryocyte morphology [MP:0002417]| increased circulating aldosterone level [MP:0002666]| decreased circulating bicarbonate level [MP:0003017]| acidosis [MP:0003031]| constipation [MP:0003267]| intestinal obstruction [MP:0003270]| pallor [MP:0003717]| decreased lymphocyte cell number [MP:0005016]| decreased circulating sodium level [MP:0005634]| abnormal spleen B cell follicle morphology [MP:0008470]| increased spleen red pulp amount [MP:0008476]| increased spleen white pulp amount [MP:0008478]| increased nucleated erythrocyte cell number [MP:0009395]| small cecum [MP:0009477]| coiled cecum [MP:0009478]| decreased birth body size [MP:0009703]| postnatal lethality [MP:0011085]

Affected Gene: *Slc4a4*

Catalog Number: 034263-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:17192275](#)

Alternate IDs: MMRRC_34263-JAX, MMRRC_034263, MMRRC_34263

Organism Name: STOCK *Slc4a4*^{tm1Ges}/Mmjax

Record Creation Time: 20230308T055132+0000

Record Last Update: 20260801T124256+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Slc4a4*^{tm1Ges}/Mmjax.

No alerts have been found for STOCK *Slc4a4*^{tm1Ges}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Jalali R, et al. (2014) NBCe1 (SLC4A4) a potential pH regulator in enamel organ cells during enamel development in the mouse. Cell and tissue research, 358(2), 433.