

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

B6;129S5-Cldn18^{tm1Lex}/Mmucd

RRID:MMRRC_032200-UCD

Type: Organism

Proper Citation

RRID:MMRRC_032200-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32200

Proper Citation: RRID:MMRRC_032200-UCD

Description: Mus musculus with name B6;129S5-Cldn18^{tm1Lex}/Mmucd from MMRRC.

Species: Mus musculus

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

Phenotype: decreased bone mineral density [MP:0000063]| abnormal trabecular bone morphology [MP:0000130]| decreased compact bone thickness [MP:0000135]| decreased bone mass [MP:0004016]| abnormal gastric parietal cell morphology [MP:0004139]| abnormal gastric chief cell morphology [MP:0004140]| increased osteoclast cell number [MP:0004984]| decreased bone strength [MP:0004991]| increased bone resorption [MP:0004992]| abnormal osteoclast differentiation [MP:0008396]| decreased trabecular bone thickness [MP:0009346]| decreased bone mineral content [MP:0010124]| abnormal stomach mucosa morphology [MP:0010792]| decreased bone trabecula number [MP:0010869]| decreased trabecular bone volume [MP:0010879]| decreased trabecular bone connectivity density [MP:0010933]

Affected Gene: Cldn18

Catalog Number: 032200-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:20562862](#)

Alternate IDs: MMRRC_32200-UCD, MMRRC_032200, MMRRC_322

Organism Name: B6;129S5-*Cldn18*^{tm1Lex}/Mmucd

Record Creation Time: 20230308T055127+0000

Record Last Update: 20260725T164129+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-*Cldn18*^{tm1Lex}/Mmucd.

No alerts have been found for B6;129S5-*Cldn18*^{tm1Lex}/Mmucd.

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 [NIF](#) .

Caron TJ, et al. (2021) Claudin-18 Loss Alters Transcellular Chloride Flux but not Tight Junction Ion Selectivity in Gastric Epithelial Cells. Cellular and molecular gastroenterology and hepatology, 11(3), 783.