

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

B6;129S5-Chsy1^{tm1Lex}/Mmucd

RRID:MMRRC_032195-UCD

Type: Organism

Proper Citation

RRID:MMRRC_032195-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=32195

Proper Citation: RRID:MMRRC_032195-UCD

Description: Mus musculus with name B6;129S5-Chsy1^{tm1Lex}/Mmucd from MMRRC.

Species: Mus musculus

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

Phenotype: abnormal rib morphology [MP:0000150] abnormal long bone hypertrophic chondrocyte zone [MP:0000165] short limbs [MP:0000547] abnormal carpal bone morphology [MP:0000554] weakness [MP:0000746] retinal degeneration [MP:0001326] abnormal axial skeleton morphology [MP:0002114] abnormal limb bone morphology [MP:0002115] abnormal craniofacial bone morphology [MP:0002116] chondrodystrophy [MP:0002657] brachypodia [MP:0002772] arthritis [MP:0002993] abnormal metatarsal bone morphology [MP:0003072] abnormal metacarpal bone morphology [MP:0003073] abnormal bone structure [MP:0003795] short ribs [MP:0004672] thin ribs [MP:0004674] abnormal phalanx morphology [MP:0005306] increased mean corpuscular hemoglobin [MP:0005561] decreased trabecular bone thickness [MP:0009346] decreased red blood cell distribution width [MP:0010068] abnormal bone mineral content [MP:0010122] decreased bone mineral content [MP:0010124] decreased bone trabecula number [MP:0010869] decreased trabecular bone volume [MP:0010879] decreased trabecular bone connectivity density [MP:0010933] decreased volumetric bone mineral density [MP:0013616] delayed chondrocyte differentiation [MP:0014106]

Affected Gene: Chsy1

Catalog Number: 032195-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRRC

Source References: [PMID:20562862](#)

Alternate IDs: MMRRRC_32195-UCD, MMRRRC_032195, MMRRRC_32195

Organism Name: B6;129S5-*Chsy1*^{tm1Lex}/Mmucd

Record Creation Time: 20230308T055127+0000

Record Last Update: 20260919T133839+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S5-*Chsy1*^{tm1Lex}/Mmucd.

No alerts have been found for B6;129S5-*Chsy1*^{tm1Lex}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Macke EL, et al. (2020) Loss of Chondroitin Sulfate Modification Causes Inflammation and Neurodegeneration in skt Mice. Genetics, 214(1), 121.