

Resource Summary Report

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

B6;129S5-K/*tm1Lex*/Mmucd

RRID:MMRRC_011732-UCD

Type: Organism

Proper Citation

RRID:MMRRC_011732-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=11732

Proper Citation: RRID:MMRRC_011732-UCD

Description: Mus musculus with name B6;129S5-K/*tm1Lex*/Mmucd from MMRRC.

Species: Mus musculus

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

Phenotype: abnormal trabecular bone morphology [MP:0000130]| increased circulating calcium level [MP:0000194]| abnormal digestive system morphology [MP:0000462]| abnormal femur morphology [MP:0000559]| decreased body length [MP:0001258]| decreased body weight [MP:0001262]| decreased body size [MP:0001265]| increased circulating phosphate level [MP:0001566]| emphysema [MP:0001958]| premature death [MP:0002083]| nephrocalcinosis [MP:0003197]| calcified artery [MP:0006133]

Affected Gene: Kl

Catalog Number: 011732-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Alternate IDs: MMRRC_11732-UCD, MMRRC_011732, MMRRC_11732

Organism Name: B6;129S5-K/*tm1Lex*/Mmucd

Record Creation Time: 20230308T054913+0000

Record Last Update: 20260801T123558+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Cavanaugh CA, et al. (2025) Transcriptomic Response to Neuromuscular Electrical Stimulation in Muscle, Brain and Plasma EVs in WT and Klotho-deficient Mice. bioRxiv : the preprint server for biology.

Cavanaugh CA, et al. (2025) Transcriptomic Response to Neuromuscular Electrical Stimulation in Muscle, Brain, and Plasma EVs in WT and Klotho-Deficient Mice. International journal of molecular sciences, 26(16).

Wang YY, et al. (2023) Decreased Klotho Expression Causes Accelerated Decline of Male Fecundity through Oxidative Injury in Murine Testis. Antioxidants (Basel, Switzerland), 12(9).

Pai HL, et al. (2023) Klotho Null Mutation Involvement in Adenosine A2B Receptor-Related Skeletal Muscle Degeneration. The American journal of pathology, 193(7), 950.

Chakrabarti M, et al. (2022) Increased TGF β 1 and SMAD3 Contribute to Age-Related Aortic Valve Calcification. Frontiers in cardiovascular medicine, 9, 770065.

Cheek JD, et al. (2012) Differential activation of valvulogenic, chondrogenic, and osteogenic pathways in mouse models of myxomatous and calcific aortic valve disease. Journal of molecular and cellular cardiology, 52(3), 689.