

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

B6.129S-Fgf23^{tm1Sliu}/Mmjax

RRID:MMRRC_036748-JAX

Type: Organism

Proper Citation

RRID:MMRRC_036748-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36748

Proper Citation: RRID:MMRRC_036748-JAX

Description: Mus musculus with name B6.129S-Fgf23^{tm1Sliu}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Cardiovascular, Cell Biology, Developmental Biology, Endocrine Deficiency, Immunology and Inflammation, Metabolism, Models for Human Disease, Neurobiology, Research Tools; Mutation Type: Targeted Mutation ; Collection:

Phenotype: increased bone mineral density [MP:0000062]| decreased bone mineral density [MP:0000063]| abnormal trabecular bone morphology [MP:0000130]| abnormal long bone metaphysis morphology [MP:0000133]| abnormal long bone hypertrophic chondrocyte zone [MP:0000165]| decreased circulating phosphate level [MP:0000198]| abnormal femur morphology [MP:0000559]| decreased body length [MP:0001258]| decreased body weight [MP:0001262]| abnormal circulating calcium level [MP:0001562]| abnormal circulating phosphate level [MP:0001565]| premature death [MP:0002083]| abnormal postnatal growth/weight/body size [MP:0002089]| abnormal bone mineralization [MP:0002896]| decreased circulating parathyroid hormone level [MP:0002905]| abnormal long bone epiphyseal plate morphology [MP:0003055]| short femur [MP:0003109]| rickets [MP:0003116]| abnormal long bone morphology [MP:0003723]| abnormal bone structure [MP:0003795]| abnormal vitamin D level [MP:0011228]

Affected Gene: |Fgf23|

Catalog Number: 036748-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRRC

Source References: [PMID:19556340](#), [PMID:16449303](#)

Alternate IDs: MMRRRC_36748-JAX, MMRRRC_036748, MMRRRC_36748

Organism Name: B6.129S-*Fgf23*^{tm1Sliu}/Mmjax

Record Creation Time: 20230308T055147+0000

Record Last Update: 20260829T123614+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-*Fgf23*^{tm1Sliu}/Mmjax.

No alerts have been found for B6.129S-*Fgf23*^{tm1Sliu}/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Yadav PS, et al. (2023) Impaired Growth Plate Maturation in XLH Is due to Both Excess FGF23 and Decreased 1,25-Dihydroxyvitamin D Signaling. *Endocrinology*, 165(1).

Li X, et al. (2023) Bone marrow sinusoidal endothelial cells are a site of Fgf23 upregulation in a mouse model of iron deficiency anemia. *Blood advances*, 7(17), 5156.