

Resource Summary Report

Generated by [dkNET](#) on Sep 17, 2026

C3.129S4(B6)-*Bgn*^{*tm1Mfy*}/Mmmh

RRID:MMRRC_000040-MU

Type: Organism

Proper Citation

RRID:MMRRC_000040-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=40

Proper Citation: RRID:MMRRC_000040-MU

Description: Mus musculus with name C3.129S4(B6)-*Bgn*^{*tm1Mfy*}/Mmmh from MMRRC.

Species: Mus musculus

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

Phenotype: decreased bone mineral density [MP:0000063] osteoporosis [MP:0000066] abnormal trabecular bone morphology [MP:0000130] abnormal long bone epiphysis morphology [MP:0000131] abnormal long bone metaphysis morphology [MP:0000133] decreased compact bone thickness [MP:0000135] abnormal mandible morphology [MP:0000458] abnormal femur morphology [MP:0000559] thin dermal layer [MP:0001244] decreased body weight [MP:0001262] decreased body size [MP:0001265] abnormal gait [MP:0001406] reduced female fertility [MP:0001923] male infertility [MP:0001925] decreased litter size [MP:0001935] perinatal lethality [MP:0002081] short gestation period [MP:0002294] abnormal joint morphology [MP:0002932] decreased skin tensile strength [MP:0003089] decreased tendon stiffness [MP:0003098] short femur [MP:0003109] osteoarthritis [MP:0003560] thin hypodermis [MP:0004126] abnormal long bone diaphysis morphology [MP:0004214] decreased length of long bones [MP:0004686] decreased osteoblast cell number [MP:0004989] abnormal tendon morphology [MP:0005503] increased apoptosis [MP:0006042] abnormal articular cartilage morphology [MP:0006433] increased diameter of long bones [MP:0008151] abnormal bone ossification [MP:0008271] abnormal cutaneous collagen fibril morphology [MP:0008438] decreased bone mineral content [MP:0010124] decreased trabecular bone mass [MP:0010873] decreased compact bone mass [MP:0010962] abnormal bone collagen fibril morphology [MP:0011642] abnormal tendon collagen fibril morphology [MP:0011643] delayed parturition [MP:0012008] early parturition [MP:0012009] osteophytes [MP:0013304] decreased chondrocyte proliferation [MP:0014101] decreased collagen level [MP:0020254] accelerated temporomandibular joint osteoarthritis

[MP:0030332]

Affected Gene: Bgn

Catalog Number: 000040-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9731537](#)

Alternate IDs: MMRRC_40-MU, MMRRC_000040, MMRRC_4

Organism Name: C3.129S4(B6)-*Bgn*^{tm1Mfy}/Mmmh

Record Creation Time: 20230308T054750+0000

Record Last Update: 20260912T133930+0000

Ratings and Alerts

No rating or validation information has been found for C3.129S4(B6)-*Bgn*^{tm1Mfy}/Mmmh.

No alerts have been found for C3.129S4(B6)-*Bgn*^{tm1Mfy}/Mmmh.

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 [dkNET](#) .

Gollmann-Tepeköylü C, et al. (2023) Toll-Like Receptor 3 Mediates Aortic Stenosis Through a Conserved Mechanism of Calcification. *Circulation*, 147(20), 1518.