

Resource Summary Report

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

RRID:MMRRC_030089-MU

Type: Organism

Proper Citation

RRID:MMRRC_030089-MU

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30089

Proper Citation: RRID:MMRRC_030089-MU

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

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Hematology; 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: 030089-MU

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:18371351](#)

Alternate IDs: MMRRC_30089-MU, MMRRC_030089, MMRRC_389

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

Record Creation Time: 20230308T055118+0000

Record Last Update: 20260815T124527+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.