

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 2, 2026

Tg(TNF)197Gkl

RRID:MGI:3053718

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3053718

Description: Allele Detail: Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic This is a legacy resource.

Phenotype: weight loss, arthritis, arthritis, increased osteoclast cell number, decreased body weight, increased bone resorption, abnormal osteoclast differentiation, decreased grip strength, decreased bone mass, decreased trabecular bone volume, joint swelling

Genomic Alteration: Tg(TNF)197Gkl

Catalog Number: 3053718

Background: involves: C57BL/6 * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:1721867](#), [PMID:15781582](#)

Organism Name: Tg(TNF)197Gkl

Record Creation Time: 20240120T190650+0000

Record Last Update: 20240130T202034+0000

Ratings and Alerts

No rating or validation information has been found for Tg(TNF)197Gkl.

No alerts have been found for Tg(TNF)197Gkl.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kieler M, et al. (2024) Itaconate is a metabolic regulator of bone formation in homeostasis and arthritis. *Annals of the rheumatic diseases*, 83(11), 1465.

Brunner JS, et al. (2020) Environmental arginine controls multinuclear giant cell metabolism and formation. *Nature communications*, 11(1), 431.

Süß P, et al. (2020) Chronic Peripheral Inflammation Causes a Region-Specific Myeloid Response in the Central Nervous System. *Cell reports*, 30(12), 4082.