

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

[Cnot3^{tm1.1Tya}/Cnot3⁺](#)

RRID:MGI:5607531

Type: Organism

Proper Citation

RRID:MGI:5607531

Organism Information

URL:

Proper Citation: RRID:MGI:5607531

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

Species: Mus musculus

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

Phenotype: decreased brown fat cell size, increased oxygen consumption, small liver, decreased bone trabecula number, decreased compact bone thickness, decreased trabecular bone mass, decreased trabecular bone thickness, abnormal bone mineralization, increased bone resorption, increased osteoclast cell number, osteoporosis, abnormal osteoclast differentiation, abnormal skeleton development, abnormal trabecular bone morphology, decreased bone mineral density, decreased circulating glucose level, decreased circulating triglyceride level, decreased fasting circulating glucose level, decreased subcutaneous adipose tissue amount, decreased body weight, decreased susceptibility to diet-induced obesity, decreased susceptibility to hepatic steatosis, decreased white fat cell size, decreased body length, decreased birth body size, decreased percent body fat/body weight, decreased body fat mass, improved glucose tolerance, increased insulin sensitivity

Affected Gene: Cnot3

Genomic Alteration: tm1.1Tya

Catalog Number: 5607531

Background: B6.129P2(Cg)-Cnot3

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21897366](#), [PMID:24550297](#)

Organism Name: Cnot3^{tm1.1Tya}/Cnot3⁺

Record Creation Time: 20240120T190038+0000

Record Last Update: 20240130T201700+0000

Ratings and Alerts

No rating or validation information has been found for Cnot3^{tm1.1Tya}/Cnot3⁺.

No alerts have been found for Cnot3^{tm1.1Tya}/Cnot3⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.