Resource Summary Report

Generated by NIF on Sep 8, 2026

B6C3Fe a/a-Ttn^{mdm}/J

RRID:IMSR_JAX:001512
Type: Organism

Proper Citation

RRID:IMSR_JAX:001512

Organism Information

URL: https://www.jax.org/strain/001512

Proper Citation: RRID:IMSR_JAX:001512

Description: Mus musculus with name B6C3Fe a/a-Ttn^{mdm}/J from IMSR.

Species: Mus musculus

Synonyms: B6C3Fe-a/a-mdm

Notes: gene symbol note: nonagouti|titin; mutant strain|mutant stock: a|Ttn

Affected Gene: nonagouti|titin

Genomic Alteration: nonagouti|muscular dystrophy with myositis

Catalog Number: JAX:001512

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6C3Fe a/a-Ttn^{mdm}/J

Record Creation Time: 20250513T053625+0000

Record Last Update: 20260905T044403+0000

Ratings and Alerts

No rating or validation information has been found for B6C3Fe a/a-Ttn^{mdm}/J.

No alerts have been found for B6C3Fe a/a-Ttn^{mdm}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Jeong S, et al. (2023) Effects of shortening velocity on the stiffness to force ratio during isometric force redevelopment suggest mechanisms of residual force depression. Scientific reports, 13(1), 948.

Hettige P, et al. (2022) Contributions of Titin and Collagen to Passive Stress in Muscles from mdm Mice with a Small Deletion in Titin's Molecular Spring. International journal of molecular sciences, 23(16).

Hettige P, et al. (2022) Transcriptomic profiles of muscular dystrophy with myositis (mdm) in extensor digitorum longus, psoas, and soleus muscles from mice. BMC genomics, 23(1), 657.

Hessel AL, et al. (2021) Non-cross Bridge Viscoelastic Elements Contribute to Muscle Force and Work During Stretch-Shortening Cycles: Evidence From Whole Muscles and Permeabilized Fibers. Frontiers in physiology, 12, 648019.

Hettige P, et al. (2020) Comparative analysis of the transcriptomes of EDL, psoas, and soleus muscles from mice. BMC genomics, 21(1), 808.