

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

[Tg\(Ckmm-cre\)5Khnl; Aifm1^{tm2Pngr}](#)

RRID:MGI:3687267

Type: Organism

Proper Citation

RRID:MGI:3687267

Organism Information

URL:

Proper Citation: RRID:MGI:3687267

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

Species: Mus musculus

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

Phenotype: abnormal skeletal muscle fiber morphology, abnormal hormone level, abnormal mitochondrial physiology, decreased cardiac muscle contractility, lethargy, abnormal heart ventricle pressure, increased skeletal muscle fiber diameter, decreased catalase activity, abnormal mitochondrial ATP synthesis coupled electron transport, abnormal mitochondrion morphology, increased circulating lactate level, increased mitochondria number, abnormal glucose homeostasis, muscular atrophy, decreased skeletal muscle mass, cardiac hypertrophy, dilated cardiomyopathy, oxidative stress, enlarged heart, weight loss, abnormal myocardial fiber morphology, abnormal respiratory electron transport chain, muscle degeneration, abnormal aerobic respiration, enlarged myocardial fiber, abnormal mitochondrial crista morphology

Affected Gene: Aifm1

Genomic Alteration: tm2Pngr, Tg(Ckmm-cre)5Khnl

Catalog Number: 3687267

Background: involves: 129P2/OlaHsd * FVB

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16287843](#)

Organism Name: Tg(Ckmm-cre)5Khn; Aifm1^{tm2Pngr}

Record Creation Time: 20240120T190543+0000

Record Last Update: 20240130T201955+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Ckmm-cre)5Khn; Aifm1^{tm2Pngr}.

No alerts have been found for Tg(Ckmm-cre)5Khn; Aifm1^{tm2Pngr}.

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.