

# Resource Summary Report

Generated by [T1D](#) on Sep 6, 2026

## [Mtor<sup>tm1.2Koz</sup>/Mtor<sup>tm1.2Koz</sup>; Tg\(ACTA1-cre\)79Jme](#)

RRID:MGI:4849944

Type: Organism

### Proper Citation

RRID:MGI:4849944

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:4849944

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

**Species:** Mus musculus

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

**Phenotype:** abnormal tibialis anterior morphology, decreased oxygen consumption, abnormal muscle contractility, abnormal muscle physiology, abnormal muscle relaxation, abnormal oxygen consumption, muscle fatigue, increased skeletal muscle glycogen level, abnormal diaphragm morphology, abnormal muscle morphology, premature death, abnormal soleus morphology, abnormal hypaxial muscle morphology, decreased circulating glucose level, abnormal limb posture, abnormal respiration, abnormal gastrocnemius morphology, kyphosis, skeletal muscle degeneration, abnormal skeletal muscle fiber morphology, skeletal muscle fiber degeneration, decreased mitochondria number, decreased body weight, centrally nucleated skeletal muscle fibers, postnatal growth retardation

**Affected Gene:** Mtor

**Genomic Alteration:** Tg(ACTA1-cre)79Jme, tm1.2Koz

**Catalog Number:** 4849944

**Background:** involves: 129S4/SvJae \* C57BL/6J \* SJL

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:20008564](#)

**Organism Name:** Mtor<sup>tm1.2Koz</sup>/Mtor<sup>tm1.2Koz</sup>; Tg(ACTA1-cre)79Jme

**Record Creation Time:** 20240120T190237+0000

**Record Last Update:** 20240130T201810+0000

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## Ratings and Alerts

No rating or validation information has been found for Mtor<sup>tm1.2Koz</sup>/Mtor<sup>tm1.2Koz</sup>; Tg(ACTA1-cre)79Jme.

No alerts have been found for Mtor<sup>tm1.2Koz</sup>/Mtor<sup>tm1.2Koz</sup>; Tg(ACTA1-cre)79Jme.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.