

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

[Sgca^{tm1Kcam}/Sgca^{tm1Kcam}](#)

RRID:MGI:2176866

Type: Organism

Proper Citation

RRID:MGI:2176866

Organism Information

URL:

Proper Citation: RRID:MGI:2176866

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

Species: Mus musculus

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

Phenotype: increased circulating creatine kinase level, centrally nucleated skeletal muscle fibers, increased extensor digitorum longus weight, heart inflammation, abnormal muscle contractility, muscle phenotype, abnormal skeletal muscle fiber morphology, calcified muscle, cardiac fibrosis, cardiac muscle necrosis, cardiomyopathy, dystrophic muscle, abnormal muscle fiber morphology, increased circulating creatine kinase level, abnormal sarcolemma morphology, abnormal circulating pyruvate kinase level, increased soleus weight

Affected Gene: Sgca

Genomic Alteration: tm1Kcam

Catalog Number: 2176866

Background: involves: 129S1/Sv * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:9744877](#), [PMID:21890494](#), [PMID:18252746](#), [PMID:18252745](#)

Organism Name: Sgca^{tm1Kcam}/Sgca^{tm1Kcam}

Record Creation Time: 20240120T190752+0000

Record Last Update: 20240130T202109+0000

Ratings and Alerts

No rating or validation information has been found for Sgca^{tm1Kcam}/Sgca^{tm1Kcam}.

No alerts have been found for Sgca^{tm1Kcam}/Sgca^{tm1Kcam}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Juban G, et al. (2018) AMPK Activation Regulates LTBP4-Dependent TGF- β 1 Secretion by Pro-inflammatory Macrophages and Controls Fibrosis in Duchenne Muscular Dystrophy. Cell reports, 25(8), 2163.