

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 31, 2026

[Sun1^{tm1.1Ktj}/Sun1^{tm1.1Ktj}](#)

RRID:MGI:3838371

Type: Organism

Proper Citation

RRID:MGI:3838371

Organism Information

URL:

Proper Citation: RRID:MGI:3838371

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

Species: Mus musculus

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

Phenotype: small testis, male infertility, female infertility, absent oocytes, azoospermia, decreased testis weight, abnormal male meiosis, absent ovarian follicles, arrest of male meiosis

Affected Gene: Sun1

Genomic Alteration: tm1.1Ktj

Catalog Number: 3838371

Background: involves: C57BL/6J * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:19211677](#)

Organism Name: Sun1^{tm1.1Ktj}/Sun1^{tm1.1Ktj}

Record Creation Time: 20240120T190349+0000

Record Last Update: 20240130T201851+0000

Ratings and Alerts

No rating or validation information has been found for Sun1^{tm1.1Ktj}/Sun1^{tm1.1Ktj}.

No alerts have been found for Sun1^{tm1.1Ktj}/Sun1^{tm1.1Ktj}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Loo TH, et al. (2019) The mammalian LINC complex component SUN1 regulates muscle regeneration by modulating drosha activity. eLife, 8.

Gimpel P, et al. (2017) Nesprin-1??-Dependent Microtubule Nucleation from the Nuclear Envelope via Akap450 Is Necessary for Nuclear Positioning in Muscle Cells. Current biology : CB, 27(19), 2999.