

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 4, 2026

[Acer1^{tm1a\(EUCOMM\)Wtsi}](#)/[Acer1^{tm1a\(EUCOMM\)Wtsi}](#)

RRID:MGI:5805833

Type: Organism

Proper Citation

RRID:MGI:5805833

Organism Information

URL:

Proper Citation: RRID:MGI:5805833

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

Species: Mus musculus

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

Phenotype: abnormal epidermis stratum granulosum morphology, abnormal hair follicle bulge morphology, abnormal hair follicle morphology, abnormal keratohyalin granule morphology, abnormal sebocyte morphology, abnormal skin sebaceous gland morphology, dry skin, enlarged sebaceous gland, epidermal hyperplasia, increased apoptosis, decreased sphingosine level, alopecia, abnormal zigzag hair morphology, abnormal sphingomyelin level, abnormal lipid level, increased eosinophil cell number, abnormal hair follicle development, abnormal awl hair morphology, increased energy expenditure, increased basal metabolism, impaired skin barrier function, hyperactivity, dilated hair follicle infundibulum, delayed skin barrier formation, decreased inguinal fat pad weight, decreased epididymal fat pad weight, abnormal hair shaft morphology, abnormal hair growth, decreased brown fat cell lipid droplet size, decreased brown adipose tissue mass, decreased body weight, abnormal hair follicle infundibulum morphology, abnormal epidermis stratum corneum morphology, abnormal ceramide level, abnormal coat/ hair morphology, abnormal hair cuticle, increased epididymal fat pad weight, increased food intake, thick dermal layer, hyperkeratosis, increased keratinocyte proliferation, scaly skin, skin inflammation

Affected Gene: Acer1

Genomic Alteration: tm1a(EUCOMM)Wtsi

Catalog Number: 5805833

Background: C57BL/6N-Acer1

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:27126290](#)

Organism Name: Acer1^{tm1a(EUCOMM)Wtsi}/Acer1^{tm1a(EUCOMM)Wtsi}

Record Creation Time: 20240120T185848+0000

Record Last Update: 20240130T201552+0000

Ratings and Alerts

No rating or validation information has been found for Acer1^{tm1a(EUCOMM)Wtsi}/Acer1^{tm1a(EUCOMM)Wtsi}.

No alerts have been found for Acer1^{tm1a(EUCOMM)Wtsi}/Acer1^{tm1a(EUCOMM)Wtsi}.

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.