

Resource Summary Report

Generated by [dkNET](#) on Aug 28, 2026

[Myf5^{tm1\(cre\)Mrc}/Myf5⁺; Prdm16^{tm1.1Brsp}/Prdm16^{tm1.1Brsp}](#)

RRID:MGI:6107172

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:6107172

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

Species: Mus musculus

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

Phenotype: increased brown fat cell lipid droplet size, abnormal oxygen consumption, decreased mitochondrial DNA content, improved glucose tolerance, decreased lean body mass, abnormal interscapular fat pad morphology, decreased body length, abnormal cellular respiration, impaired adaptive thermogenesis, abnormal brown adipose tissue morphology, decreased mitochondria number, whitened brown adipose tissue morphology, abnormal brown adipose tissue thermogenesis, increased interscapular fat pad weight, decreased brown fat lipid droplet number, decreased body weight, decreased body fat mass

Affected Gene: Prdm16, Myf5

Genomic Alteration: tm1.1Brsp, tm1(cre)Mrc

Catalog Number: 6107172

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:24703692](#)

Organism Name: Myf5^{tm1(cre)Mrc}/Myf5⁺; Prdm16^{tm1.1Brsp}/Prdm16^{tm1.1Brsp}

Record Creation Time: 20240120T185824+0000

Record Last Update: 20240130T201538+0000

Ratings and Alerts

No rating or validation information has been found for Myf5^{tm1(cre)Mrc}/Myf5⁺; Prdm16^{tm1.1Brsp}/Prdm16^{tm1.1Brsp}.

No alerts have been found for Myf5^{tm1(cre)Mrc}/Myf5⁺; Prdm16^{tm1.1Brsp}/Prdm16^{tm1.1Brsp}.

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.