

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

[Mark4Gt\(XG191\)Byg](#)/[Mark4Gt\(XG191\)Byg](#)

RRID:MGI:5465400

Type: Organism

Proper Citation

RRID:MGI:5465400

Organism Information

URL:

Proper Citation: RRID:MGI:5465400

Description: Allele Detail: Gene trapped This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Gene trapped This is a legacy resource.

Phenotype: hyperactivity, abnormal glucose homeostasis, decreased brown fat cell lipid droplet size, decreased circulating cholesterol level, decreased circulating glucose level, decreased circulating insulin level, decreased circulating triglyceride level, polyphagia, increased respiratory quotient, increased oxygen consumption, increased insulin sensitivity, increased energy expenditure, increased fluid intake, increased carbon dioxide production, decreased total body fat amount, decreased susceptibility to diet-induced obesity

Affected Gene: Mark4

Genomic Alteration: Gt(XG191)Byg

Catalog Number: 5465400

Background: involves: 129P2/OlaHsd * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:22992738](#)

Organism Name: Mark4^{Gt(XG191)Byg}/Mark4^{Gt(XG191)Byg}

Record Creation Time: 20240120T190127+0000

Record Last Update: 20240130T201728+0000

Ratings and Alerts

No rating or validation information has been found for Mark4^{Gt(XG191)Byg}/Mark4^{Gt(XG191)Byg}.

No alerts have been found for Mark4^{Gt(XG191)Byg}/Mark4^{Gt(XG191)Byg}.

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.