

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

[Irs2^{tm1Mfw}](#)/[Irs2^{tm1Mfw}](#)

RRID:MGI:3583763

Type: Organism

Proper Citation

RRID:MGI:3583763

Organism Information

URL:

Proper Citation: RRID:MGI:3583763

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

Species: Mus musculus

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

Phenotype: increased circulating leptin level, small pituitary intermediate lobe, abnormal circulating glucose level, decreased body weight, abnormal glucose homeostasis, decreased glycogen level, hyperglycemia, small pancreatic islets, premature death, impaired glucose tolerance, insulin resistance, hyperglycemia, decreased birth body size, increased circulating insulin level, decreased pancreatic beta cell mass, decreased body weight, polyuria, polydipsia, decreased oocyte number, decreased gonadotroph cell number, decreased circulating testosterone level, decreased circulating prolactin level, decreased circulating progesterone level, decreased circulating luteinizing hormone level, decreased circulating estradiol level, absent corpus luteum, abnormal ovarian follicle morphology, abnormal ovulation, abnormal circulating hormone level, small pituitary gland, small ovary, reduced male fertility, reduced female fertility, polyphagia, obese, increased total body fat amount, abnormal mating frequency, abnormal glucose homeostasis, abnormal oogenesis, impaired ovarian folliculogenesis, impaired glucose tolerance, abnormal energy homeostasis, absent estrous cycle, anovulation, female infertility, abnormal pancreatic beta cell morphology, abnormal lipid homeostasis, weight loss, hyperglycemia, decreased pancreatic beta cell number, abnormal circulating insulin level, premature death, insulin resistance, increased circulating insulin level, hyperglycemia, decreased pancreatic beta cell mass

Affected Gene: Irs2

Genomic Alteration: tm1Mfw

Catalog Number: 3583763

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11014193](#), [PMID:15685168](#), [PMID:14617753](#), [PMID:9495343](#), [PMID:18288891](#), [PMID:11812758](#)

Organism Name: Irs2^{tm1Mfw}/Irs2^{tm1Mfw}

Record Creation Time: 20240120T190625+0000

Record Last Update: 20240130T202020+0000

Ratings and Alerts

No rating or validation information has been found for Irs2^{tm1Mfw}/Irs2^{tm1Mfw}.

No alerts have been found for Irs2^{tm1Mfw}/Irs2^{tm1Mfw}.

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.