

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

[Cyp19a1^{tm1Esi}](#)/[Cyp19a1^{tm1Esi}](#)

RRID:MGI:2450128

Type: Organism

Proper Citation

RRID:MGI:2450128

Organism Information

URL:

Proper Citation: RRID:MGI:2450128

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

Species: *Mus musculus*

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

Phenotype: increased heart rate, enlarged clitoris, abnormal spermiogenesis, increased circulating luteinizing hormone level, increased IgG level, abnormal seminiferous tubule morphology, increased circulating testosterone level, increased autoantibody level, increased bone marrow cell number, abnormal coat/hair pigmentation, increased granulocyte number, increased leukocyte cell number, increased lymphocyte cell number, increased mature B cell number, renal glomerular immunoglobulin deposits, increased circulating follicle stimulating hormone level, increased circulating testosterone level, increased circulating luteinizing hormone level, abnormal enzyme/coenzyme level, female infertility, absent corpus luteum, increased granulosa cell apoptosis, ovary hemorrhage, female infertility, abnormal granulosa cell morphology, impaired ovarian folliculogenesis, decreased uterus weight, abnormal ovary morphology, abnormal uterus development, salivary gland inflammation, spleen hyperplasia, increased urine protein level, kidney inflammation, abnormal salivary gland morphology, obese, abnormal spleen germinal center morphology, enlarged mesenteric lymph nodes, increased circulating luteinizing hormone level, anovulation, increased circulating follicle stimulating hormone level, ovary cysts, decreased systemic arterial diastolic blood pressure, increased gonadal fat pad weight, abnormal ovary morphology, abnormal male germ cell morphology, abnormal seminiferous tubule epithelium morphology, increased B cell number, enlarged spleen, abnormal labium morphology, abnormal systemic arterial blood pressure, decreased heart rate variability, abnormal reproductive system physiology, decreased testis weight, abnormal baroreceptor physiology, Leydig cell hyperplasia, enlarged salivary gland, abnormal acrosome morphology, abnormal spermatid morphology, male infertility,

abnormal epididymis morphology, abnormal spermatogenesis, impaired ovarian folliculogenesis, increased mammary fat pad weight, abnormal male reproductive system morphology, increased prostate gland weight, arrest of spermiogenesis, increased seminal vesicle weight, absent corpus luteum, uterus hypoplasia, decreased mean systemic arterial blood pressure, increased circulating prolactin level, prostate gland hyperplasia, enlarged prostate gland, increased circulating testosterone level, increased circulating dihydrotestosterone level, abnormal prostate gland physiology, increased prostate gland weight, increased cardiac muscle contractility, increased circulating follicle stimulating hormone level, decreased male germ cell number, abnormal male germ cell apoptosis

Affected Gene: Cyp19a1

Genomic Alteration: tm1Esi

Catalog Number: 2450128

Background: involves: 129S6/SvEvTac * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15178650](#), [PMID:10393934](#), [PMID:10875266](#), [PMID:15314222](#), [PMID:9618522](#), [PMID:11356695](#)

Organism Name: Cyp19a1^{tm1Esi}/Cyp19a1^{tm1Esi}

Record Creation Time: 20240120T190745+0000

Record Last Update: 20240130T202105+0000

Ratings and Alerts

No rating or validation information has been found for Cyp19a1^{tm1Esi}/Cyp19a1^{tm1Esi}.

No alerts have been found for Cyp19a1^{tm1Esi}/Cyp19a1^{tm1Esi}.

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.