

Resource Summary Report

Generated by [NIF](#) on Sep 23, 2026

[Esr1^{tm1Ksk}/Esr1^{tm1Ksk}](#)

RRID:MGI:2664581

Type: Organism

Proper Citation

RRID:MGI:2664581

Organism Information

URL:

Proper Citation: RRID:MGI:2664581

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

Species: *Mus musculus*

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

Phenotype: abnormal circulating protein level, increased aggression towards females, abnormal maternal nurturing, pup cannibalization, abnormal pup retrieval, reduced male mating frequency, abnormal mating receptivity, decreased uterus weight, increased body weight, skeleton phenotype, short tibia, short femur, decreased circulating insulin-like growth factor I level, decreased length of long bones, increased circulating leptin level, increased gonadal fat pad weight, increased retroperitoneal fat pad weight, increased total body fat amount, obese, increased circulating HDL cholesterol level, increased circulating cholesterol level, insulin resistance, abnormal hypothalamus morphology, increased double-positive T cell number, thymus hypoplasia, decreased CD8-positive, alpha-beta T cell number, decreased CD4-positive, alpha beta T cell number, failure of ejaculation, decreased aggression towards males, reduced male fertility, oligozoospermia, female infertility, abnormal mating receptivity, decreased testis weight, abnormal ovary morphology, absent corpus luteum, uterus hypoplasia, abnormal female reproductive system physiology, ovarian follicular cyst, abnormal innervation, abnormal uterus morphology, small uterus, abnormal endometrium morphology, increased urine protein level, abnormal kidney physiology, increased plasma cell number, renal glomerular immunoglobulin deposits, abnormal spleen physiology, increased spleen germinal center number, abnormal lymph node cell ratio, cortical renal glomerulopathies, glomerulonephritis, increased IgG3 level, increased anti-double stranded DNA antibody level, abnormal epididymis morphology, abnormal spermatogenesis, reduced male mating frequency, asthenozoospermia, seminiferous tubule degeneration, oligozoospermia, impaired fertilization, teratozoospermia, detached sperm flagellum, dilated rete testis,

abnormal seminiferous tubule epithelium morphology, dilated seminiferous tubules, increased circulating testosterone level, male infertility, abnormal seminiferous tubule morphology, decreased testis weight, abnormal mesonephros morphology, increased circulating estradiol level, abnormal B cell number, abnormal bone marrow cell number, abnormal response/metabolism to endogenous compounds, abnormal immunoglobulin level, abnormal class switch recombination, decreased bone ossification, short ulna, decreased osteoblast cell number, decreased bone mineralization, increased compact bone area, hyperactivity, increased vertical activity, decreased aggression, reduced male mating frequency, failure of ejaculation, decreased bone mineral content, short femur, decreased lung weight, decreased circulating insulin-like growth factor I level, decreased bone strength, decreased bone mineral density, decreased body weight, decreased compact bone area, decreased heart weight

Affected Gene: Esr1

Genomic Alteration: tm1Ksk

Catalog Number: 2664581

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

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11014235](#), [PMID:8248223](#), [PMID:11380688](#), [PMID:8895349](#), [PMID:8584021](#), [PMID:11095962](#), [PMID:9832446](#), [PMID:14745006](#), [PMID:15283680](#), [PMID:10805804](#), [PMID:9391155](#), [PMID:9037078](#), [PMID:10558910](#), [PMID:11114183](#), [PMID:11311804](#), [PMID:12603601](#)

Organism Name: Esr1^{tm1Ksk}/Esr1^{tm1Ksk}

Record Creation Time: 20240120T190734+0000

Record Last Update: 20240130T202058+0000

Ratings and Alerts

No rating or validation information has been found for Esr1^{tm1Ksk}/Esr1^{tm1Ksk}.

No alerts have been found for Esr1^{tm1Ksk}/Esr1^{tm1Ksk}.

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.