

Resource Summary Report

Generated by [NIF](#) on Sep 7, 2026

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

RRID:MGI:3688155

Type: Organism

Proper Citation

RRID:MGI:3688155

Organism Information

URL:

Proper Citation: RRID:MGI:3688155

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

Species: *Mus musculus*

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

Phenotype: absent corpus luteum, abnormal superovulation, ovary hemorrhage, albuminuria, abnormal response/metabolism to endogenous compounds, renal glomerulus hypertrophy, expanded mesangial matrix, abnormal testis morphology, increased body weight, ovarian follicular cyst, abnormal vagina epithelium morphology, decreased physiological sensitivity to xenobiotic, short femur, decreased uterus weight, uterus hypoplasia, abnormal chondrocyte physiology, abnormal skeleton development, abnormal vertebrae morphology, decreased body length, decreased long bone epiphyseal plate size, abnormal long bone epiphyseal plate morphology, increased circulating estradiol level, abnormal epididymis morphology, cardiovascular system phenotype, oligozoospermia, abnormal mammary gland development, absent corpus luteum, anovulation, abnormal internal male genitalia morphology, seminiferous tubule degeneration, decreased circulating testosterone level, decreased circulating prolactin level, ovarian follicular cyst, abnormal response/metabolism to endogenous compounds, abnormal ovary morphology, insulin resistance, abnormal testis morphology, abnormal cremaster muscle morphology, impaired glucose tolerance, increased circulating glucose level, male infertility, abnormal physiological response to xenobiotic, decreased circulating estradiol level, decreased uterus weight, dilated efferent ductules of testis, ovarian follicular cyst, dilated rete testis, ovary hemorrhage, decreased lactotroph cell number, abnormal pituitary gland physiology, abnormal male reproductive system physiology, dilated rete testis, abnormal testis weight, abnormal epididymis epithelium morphology, increased body weight, increased circulating testosterone level, dilated efferent ductules of testis, spermatocytic granuloma, abnormal bone marrow cell number, decreased immature B

cell number, hematopoietic system phenotype, decreased mature B cell number, failure of embryo implantation, abnormal epididymis epithelium morphology, dilated efferent ductules of testis, abnormal efferent ductules of testis morphology, impaired ovarian folliculogenesis

Affected Gene: Esr1

Genomic Alteration: tm1Ksk

Catalog Number: 3688155

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18063692](#), [PMID:9171231](#), [PMID:10342864](#), [PMID:17495854](#), [PMID:9393999](#), [PMID:14753739](#), [PMID:12297545](#), [PMID:10919287](#), [PMID:20577047](#), [PMID:9647203](#), [PMID:10670526](#), [PMID:8723431](#), [PMID:19366879](#), [PMID:11784006](#), [PMID:11698654](#), [PMID:18317592](#)

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

Record Creation Time: 20240120T190542+0000

Record Last Update: 20240130T201954+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.