

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 5, 2026

[Fshr^{tm1Saco}](#)/[Fshr^{tm1Saco}](#)

RRID:MGI:3810495

Type: Organism

Proper Citation

RRID:MGI:3810495

Organism Information

URL:

Proper Citation: RRID:MGI:3810495

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

Species: Mus musculus

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

Phenotype: weight loss, Sertoli cell hypoplasia, delayed male fertility, abnormal testis development, small seminiferous tubules, decreased circulating testosterone level, decreased epididymis weight, delayed sexual maturation, decreased testis weight, oligozoospermia, asthenozoospermia, small caput epididymis, abnormal corpus epididymis morphology, abnormal epididymis epithelium morphology, teratozoospermia, detached acrosome, abnormal sperm nucleus morphology, abnormal sperm head morphology, abnormal sperm axoneme morphology, abnormal spermiogenesis, abnormal spermatid morphology, abnormal spermatogonia proliferation, decreased litter size, reduced male fertility, increased luteinizing hormone level, abnormal ovary morphology, absent corpus luteum, anemia, anovulation, cachexia, calcinosis, decreased circulating estradiol level, enlarged spleen, female infertility, impaired ovarian folliculogenesis, increased circulating follicle stimulating hormone level, increased circulating luteinizing hormone level, increased circulating testosterone level, increased follicle stimulating hormone level, obese, absent estrous cycle, increased ovarian carcinoma incidence, ovary cysts, pallor, small ovary, enlarged clitoris, abnormal ovary morphology, absent corpus luteum, decreased ovary weight, hunched posture, kyphosis, obese, uterus atrophy, vagina atrophy, abnormal uterus morphology, decreased uterus weight, myometrium hypoplasia, abnormal endometrial gland morphology, abnormal vagina epithelium morphology, thin uterus, decreased femur weight, absent estrous cycle, abnormal estrous cycle, abnormal vagina orifice morphology, decreased circulating estradiol level, decreased circulating progesterone level, increased circulating testosterone level, increased body weight, abnormal abdominal fat pad morphology,

abnormal thoracic vertebrae morphology, increased total fat pad weight, decreased bone mineral density, absent mature ovarian follicles, increased pre-B cell number, decreased vagina weight

Affected Gene: Fshr

Genomic Alteration: tm1Saco

Catalog Number: 3810495

Background: involves: 129

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11459817](#), [PMID:11466221](#), [PMID:11089565](#), [PMID:15973687](#)

Organism Name: Fshr^{tm1Saco}/Fshr^{tm1Saco}

Record Creation Time: 20240120T190416+0000

Record Last Update: 20240130T201906+0000

Ratings and Alerts

No rating or validation information has been found for Fshr^{tm1Saco}/Fshr^{tm1Saco}.

No alerts have been found for Fshr^{tm1Saco}/Fshr^{tm1Saco}.

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.