

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

[Esr2^{tm1Unc}/Esr2^{tm1Unc}](#)

RRID:MGI:4418758

Type: Organism

Proper Citation

RRID:MGI:4418758

Organism Information

URL:

Proper Citation: RRID:MGI:4418758

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

Species: Mus musculus

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

Phenotype: urinary bladder inflammation, abnormal intercalated disk morphology, enlarged myocardial fiber, dilated heart ventricle, cardiac hypertrophy, abnormal myocardial fiber morphology, abnormal auditory brainstem response, increased urine glycosaminoglycan level, abnormal urinary bladder physiology, abnormal urinary bladder morphology, abnormal urinary bladder urothelium morphology, abnormal enterocyte apoptosis, abnormal enterocyte physiology, abnormal muscle contractility, abnormal surfactant physiology, abnormal mammary gland growth during lactation, mammary gland alveolar hyperplasia, abnormal mammary gland growth during pregnancy, abnormal mammary gland epithelium morphology, long femur, abnormal long bone epiphyseal plate morphology, increased body length, abnormal response/metabolism to endogenous compounds, increased vasodilation, impaired cued conditioning behavior, abnormal pulmonary alveolus morphology, enlarged heart, decreased insulin secretion, enlarged pancreatic islets, increased circulating glucose level, increased insulin sensitivity, abnormal behavior, decreased circulating glucose level, increased body weight, increased sensitivity to induced morbidity/mortality, ascites, increased heart weight, altered response to myocardial infarction, abnormal enterocyte morphology, abnormal enterocyte proliferation, abnormal large intestine crypts of Lieberkuhn morphology, colitis, reduced long term potentiation, impaired contextual conditioning behavior, abnormal excitatory postsynaptic potential

Affected Gene: Esr2

Genomic Alteration: tm1Unc

Catalog Number: 4418758

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18317592](#), [PMID:16477031](#), [PMID:14612399](#),
[PMID:15280152](#), [PMID:14753739](#), [PMID:10927637](#), [PMID:19366879](#), [PMID:15781739](#),
[PMID:12438700](#), [PMID:17522255](#), [PMID:15375213](#), [PMID:16054246](#)

Organism Name: Esr2^{tm1Unc}/Esr2^{tm1Unc}

Record Creation Time: 20240120T190311+0000

Record Last Update: 20240130T201828+0000

Ratings and Alerts

No rating or validation information has been found for Esr2^{tm1Unc}/Esr2^{tm1Unc}.

No alerts have been found for Esr2^{tm1Unc}/Esr2^{tm1Unc}.

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.