

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 18, 2026

C57BL/6-Esr1^{tm2.1(cre)And/J}

RRID:IMSR_JAX:017913

Type: Organism

Proper Citation

RRID:IMSR_JAX:017913

Organism Information

URL: <https://www.jax.org/strain/017913>

Proper Citation: RRID:IMSR_JAX:017913

Description: Mus musculus with name C57BL/6-Esr1^{tm2.1(cre)And/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: estrogen receptor 1 (alpha)|; mutant strain|congenic strain: Esr1|

Affected Gene: estrogen receptor 1 (alpha)|

Genomic Alteration: targeted mutation 2.1; David J Anderson

Catalog Number: JAX:017913

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Esr1^{tm2.1(cre)And/J}

Record Creation Time: 20250513T053735+0000

Record Last Update: 20260912T060521+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Esr1^{tm2.1(cre)And/J}.

No alerts have been found for C57BL/6-Esr1^{tm2.1(cre)And/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Tian Y, et al. (2026) A septal inhibitory circuit constrains alcohol reward and mediates liraglutide's suppressive effects on alcohol intake in mice. *Neuron*, 114(13), 2423.

Chen G, et al. (2024) Cellular and circuit architecture of the lateral septum for reward processing. *Neuron*, 112(16), 2783.

Zhu Z, et al. (2024) A hypothalamic-amygdala circuit underlying sexually dimorphic aggression. *Neuron*, 112(18), 3176.

Knoedler JR, et al. (2022) A functional cellular framework for sex and estrous cycle-dependent gene expression and behavior. *Cell*, 185(4), 654.

LeClair KB, et al. (2021) Individual history of winning and hierarchy landscape influence stress susceptibility in mice. *eLife*, 10.

Krzywkowski P, et al. (2020) Dynamic encoding of social threat and spatial context in the hypothalamus. *eLife*, 9.

Chen AX, et al. (2020) Specific Hypothalamic Neurons Required for Sensing Conspecific Male Cues Relevant to Inter-male Aggression. *Neuron*, 108(4), 763.