

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://www.fdi-lab.org/) on Apr 16, 2025

## B6N(Cg)-Esr1<sup>tm4.2Ksk/J</sup>

RRID:IMSR\_JAX:026176

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:026176

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### Organism Information

**URL:** <https://www.jax.org/strain/026176>

**Proper Citation:** RRID:IMSR\_JAX:026176

**Description:** Mus musculus with name B6N(Cg)-Esr1<sup>tm4.2Ksk/J</sup> 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 4.2; Kenneth S Korach

**Catalog Number:** JAX:026176

**Database:** International Mouse Resource Center IMSR, JAX

**Database Abbreviation:** IMSR

**Availability:** live

**Alternate IDs:** IMSR\_JAX:26176

**Organism Name:** B6N(Cg)-Esr1<sup>tm4.2Ksk/J</sup>

**Record Creation Time:** 20230509T193322+0000

**Record Last Update:** 20250412T090703+0000

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### Ratings and Alerts

No rating or validation information has been found for B6N(Cg)-Esr1<sup>tm4.2Ksk/J</sup>.

No alerts have been found for B6N(Cg)-Esr1<sup>tm4.2Ksk/J</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** International Mouse Resource Center IMSR, JAX

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Kessel JC, et al. (2023) Expression Analysis of Lipocalin 2 (LCN2) in Reproductive and Non-Reproductive Tissues of Esr1-Deficient Mice. International journal of molecular sciences, 24(11).

Gravitte A, et al. (2022) The hormonal environment and estrogen receptor signaling alters Chlamydia muridarum infection in vivo. Frontiers in cellular and infection microbiology, 12, 939944.

AlOgayil N, et al. (2021) Distinct roles of androgen receptor, estrogen receptor alpha, and BCL6 in the establishment of sex-biased DNA methylation in mouse liver. Scientific reports, 11(1), 13766.

Mann SN, et al. (2020) Health benefits attributed to 17 $\beta$ -estradiol, a lifespan-extending compound, are mediated through estrogen receptor ?. eLife, 9.

Salinas-Muñoz L, et al. (2018) Estrogen Receptor-Alpha (ESR1) Governs the Lower Female Reproductive Tract Vulnerability to Candida albicans. Frontiers in immunology, 9, 1033.