

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6N(Cg)-Esr1^{tm4.2Ksk/J}

RRID:IMSR_JAX:026176

Type: Organism

Proper Citation

RRID:IMSR_JAX:026176

Organism Information

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

Proper Citation: RRID:IMSR_JAX:026176

Description: Mus musculus with name B6N(Cg)-Esr1^{tm4.2Ksk/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 4.2; Kenneth S Korach

Catalog Number: JAX:026176

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N(Cg)-Esr1^{tm4.2Ksk/J}

Record Creation Time: 20250513T053756+0000

Record Last Update: 20260725T044502+0000

Ratings and Alerts

No rating or validation information has been found for B6N(Cg)-Esr1^{tm4.2Ksk/J}.

No alerts have been found for B6N(Cg)-Esr1^{tm4.2Ksk/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Stomper J, et al. (2025) Sex differences in DNMT3A-mutant clonal hematopoiesis and the effects of estrogen. *Cell reports*, 44(4), 115494.

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 β -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.