

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

B6.129S-Postn^{tm2.1}(cre/Esr1*)Jmol/J

RRID:IMSR_JAX:029645

Type: Organism

Proper Citation

RRID:IMSR_JAX:029645

Organism Information

URL: <https://www.jax.org/strain/029645>

Proper Citation: RRID:IMSR_JAX:029645

Description: Mus musculus with name B6.129S-Postn^{tm2.1}(cre/Esr1*)Jmol/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 fusion gene|periostin; osteoblast specific factor; mutant strain|congenic strain: cre/Esr1|Postn

Affected Gene: Cre recombinase and estrogen receptor 1 fusion gene|periostin; osteoblast specific factor

Genomic Alteration: targeted mutation 2.1; Jeffery Molkentin

Catalog Number: JAX:029645

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S-Postn^{tm2.1}(cre/Esr1*)Jmol/J

Record Creation Time: 20250513T053810+0000

Record Last Update: 20260801T050520+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S-Postn^{tm2.1}(cre/Esr1*)Jmol/J.

No alerts have been found for B6.129S-Postn^{tm2.1(cre/Esr1*)}Jmol/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Marchand T, et al. (2025) Periosteal skeletal stem cells can migrate into the bone marrow and support hematopoiesis after injury. eLife, 13.

Mohr ME, et al. (2024) Cardiomyocyte-fibroblast interaction regulates ferroptosis and fibrosis after myocardial injury. iScience, 27(3), 109219.

Yao L, et al. (2022) Temporal control of PDGFR α regulates the fibroblast-to-myofibroblast transition in wound healing. Cell reports, 40(7), 111192.