

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

B6.Cg-Tg(Prrx1-cre/ERT2.-EGFP)1Smkm/J

RRID:IMSR_JAX:029211

Type: Organism

Proper Citation

RRID:IMSR_JAX:029211

Organism Information

URL: <https://www.jax.org/strain/029211>

Proper Citation: RRID:IMSR_JAX:029211

Description: Mus musculus with name B6.Cg-Tg(Prrx1-cre/ERT2.-EGFP)1Smkm/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|transgene insertion 1; Shunichi Murakami|paired related homeobox 1|; mutant strain|congenic strain: cre/ERT2|Tg(Prrx1-cre/ERT2;-EGFP)1Smkm|Prrx1|

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|transgene insertion 1; Shunichi Murakami|paired related homeobox 1|

Genomic Alteration: transgene insertion 1; Shunichi Murakami

Catalog Number: JAX:029211

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Prrx1-cre/ERT2.-EGFP)1Smkm/J

Record Creation Time: 20250513T053808+0000

Record Last Update: 20260905T044544+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Prrx1-cre/ERT2.-EGFP)1Smkm/J.

No alerts have been found for B6.Cg-Tg(Prrx1-cre/ERT2.-EGFP)1Smkm/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 [NIF](#) .

Ko KI, et al. (2023) Distinct fibroblast progenitor subpopulation expedites regenerative mucosal healing by immunomodulation. The Journal of experimental medicine, 220(3).

Deng P, et al. (2021) Loss of KDM4B exacerbates bone-fat imbalance and mesenchymal stromal cell exhaustion in skeletal aging. Cell stem cell, 28(6), 1057.

Xie Z, et al. (2021) Low-Dose Tamoxifen Induces Significant Bone Formation in Mice. JBMR plus, 5(3), e10450.

Frodermann V, et al. (2019) Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells. Nature medicine, 25(11), 1761.

Ko KI, et al. (2019) Diabetes-Induced NF- κ B Dysregulation in Skeletal Stem Cells Prevents Resolution of Inflammation. Diabetes, 68(11), 2095.

Ortinou LC, et al. (2019) Identification of Functionally Distinct Mx1+ α SMA+ Periosteal Skeletal Stem Cells. Cell stem cell, 25(6), 784.