Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 3, 2025

FVB-Tg(Col2a1-cre/ERT)KA3Smac/J

RRID:IMSR_JAX:006774
Type: Organism

Proper Citation

RRID:IMSR_JAX:006774

Organism Information

URL: https://www.jax.org/strain/006774

Proper Citation: RRID:IMSR_JAX:006774

Description: Mus musculus with name FVB-Tg(Col2a1-cre/ERT)KA3Smac/J from IMSR.

Species: Mus musculus

Synonyms: FVB-Tg(Col2a1-cre/ESR1)KA3Smac/J

Notes: gene symbol note: collagen; type II; alpha 1|cre inducible estrogen receptor|transgene insertion KA3; Susan Mackem|collagen; type II; alpha 1|cre inducible estrogen receptor|transgene insertion KA3; Susan Mackem; coisogenic strain: Col2a1|cre/ER|Tg(Col2a1-cre/ERT)KA3Smac|Col2a1|cre/ER|Tg(Col2a1-cre/ERT)KA3Smac

Affected Gene: collagen; type II; alpha 1|cre inducible estrogen receptor|transgene insertion KA3; Susan Mackem|collagen; type II; alpha 1|cre inducible estrogen receptor|transgene insertion KA3; Susan Mackem

Genomic Alteration: transgene insertion KA3; Susan Mackem

Catalog Number: JAX:006774

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:6774

Organism Name: FVB-Tg(Col2a1-cre/ERT)KA3Smac/J

Record Creation Time: 20230509T193252+0000

Record Last Update: 20240104T174904+0000

Ratings and Alerts

No rating or validation information has been found for FVB-Tg(Col2a1-cre/ERT)KA3Smac/J.

No alerts have been found for FVB-Tg(Col2a1-cre/ERT)KA3Smac/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Rubin S, et al. (2024) Limited column formation in the embryonic growth plate implies divergent growth mechanisms during pre- and postnatal bone development. eLife, 13.

Pathmanapan S, et al. (2023) Mutant IDH regulates glycogen metabolism from early cartilage development to malignant chondrosarcoma formation. Cell reports, 42(6), 112578.

Kaucka M, et al. (2022) Altered developmental programs and oriented cell divisions lead to bulky bones during salamander limb regeneration. Nature communications, 13(1), 6949.

Kult S, et al. (2021) Bi-fated tendon-to-bone attachment cells are regulated by shared enhancers and KLF transcription factors. eLife, 10.

Jin X, et al. (2019) Cartilage Ablation of Sirt1 Causes Inhibition of Growth Plate Chondrogenesis by Hyperactivation of mTORC1 Signaling. Endocrinology, 160(12), 3001.

Kaucka M, et al. (2017) Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. eLife, 6.

Yu VWC, et al. (2017) Epigenetic Memory Underlies Cell-Autonomous Heterogeneous Behavior of Hematopoietic Stem Cells. Cell, 168(5), 944.

Yu VWC, et al. (2016) Epigenetic Memory Underlies Cell-Autonomous Heterogeneous Behavior of Hematopoietic Stem Cells. Cell, 167(5), 1310.