

Resource Summary Report

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

B6.Cg-Acan^{tm1(cre/ERT2)Crm/J}

RRID:IMSR_JAX:019148

Type: Organism

Proper Citation

RRID:IMSR_JAX:019148

Organism Information

URL: <https://www.jax.org/strain/019148>

Proper Citation: RRID:IMSR_JAX:019148

Description: Mus musculus with name B6.Cg-Acan^{tm1(cre/ERT2)Crm/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: Cre recombinase and estrogen receptor 1 (human) fusion gene|aggrecan; mutant strain|congenic strain: cre/ERT2|Acan

Affected Gene: Cre recombinase and estrogen receptor 1 (human) fusion gene|aggrecan

Genomic Alteration: targeted mutation 1; Benoit de Crombrugghe

Catalog Number: JAX:019148

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Acan^{tm1(cre/ERT2)Crm/J}

Record Creation Time: 20250513T053740+0000

Record Last Update: 20260725T044448+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Acan^{tm1(cre/ERT2)Crm/J}.

No alerts have been found for B6.Cg-Acan^{tm1(cre/ERT2)Crm/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Chen D, et al. (2025) Fibroblast bioelectric signaling drives hair growth. Cell.

Xu J, et al. (2025) SMARCA5 Cooperates With RSF1 to Promote Pathological Glycolysis and Chondrocyte Dysfunction in Osteoarthritis Through ATPase-Dependent Chromatin Regulation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(24), e71324.

O-Sullivan I, et al. (2022) Sensory Neuron-Specific Deletion of Tropomyosin Receptor Kinase A (TrkA) in Mice Abolishes Osteoarthritis (OA) Pain via NGF/TrkA Intervention of Peripheral Sensitization. International journal of molecular sciences, 23(20).

Shu HS, et al. (2021) Tracing the skeletal progenitor transition during postnatal bone formation. Cell stem cell, 28(12), 2122.

Shi Y, et al. (2021) Gli1+ progenitors mediate bone anabolic function of teriparatide via Hh and Igf signaling. Cell reports, 36(7), 109542.

Li X, et al. (2020) Delay in articular cartilage degeneration of the knee joint by the conditional removal of discoidin domain receptor 2 in a spontaneous mouse model of osteoarthritis. Annals of translational medicine, 8(18), 1178.

Culley KL, et al. (2019) Inducible knockout of CHUK/IKK?? in adult chondrocytes reduces progression of cartilage degradation in a surgical model of osteoarthritis. Scientific reports, 9(1), 8905.