

# Resource Summary Report

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

## C57BL/6NTac-Setd1a<sup>tm1c(EUCOMM)Wtsi/H</sup>

RRID:IMSR\_HAR:8654

Type: Organism

### Proper Citation

RRID:IMSR\_HAR:8654

### Organism Information

**URL:** <https://archive.har.mrc.ac.uk/stock?id=8654>

**Proper Citation:** RRID:IMSR\_HAR:8654

**Description:** Mus musculus with name C57BL/6NTac-Setd1a<sup>tm1c(EUCOMM)Wtsi/H</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: SET domain containing 1A; mutant strain: Setd1a

**Affected Gene:** SET domain containing 1A

**Genomic Alteration:** targeted mutation 1c; Wellcome Trust Sanger Institute

**Catalog Number:** HAR:8654

**Database:** MRC Harwell

**Database Abbreviation:** HAR

**Availability:** embryo

**Alternate IDs:** MGI:6741110

**Organism Name:** C57BL/6NTac-Setd1a<sup>tm1c(EUCOMM)Wtsi/H</sup>

**Record Creation Time:** 20250513T053611+0000

**Record Last Update:** 20260725T044321+0000

### Ratings and Alerts

No rating or validation information has been found for C57BL/6NTac-Setd1a<sup>tm1c(EUCOMM)Wtsi/H</sup>.

No alerts have been found for C57BL/6NTac-Setd1a<sup>tm1c(EUCOMM)Wtsi/H</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MRC Harwell

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## Usage and Citation Metrics

We found 55 mentions in open access literature.

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

Su P, et al. (2026) FoxO1 Responses to Chronic Oxidative Stress to Participate in Age-Related Osteoporosis by Depriving  $\beta$ -Catenin From TCF7. Aging cell, 25(1), e70306.

Hu Y, et al. (2025) Overactivation of EGFR signaling in skeletal stem/progenitor cells promotes bone formation and repair. Theranostics, 15(16), 8117.

Zhu B, et al. (2025) FKBP5 Induces Senescence in BMSCs and Inhibits Osteogenic Differentiation Through the Canonical WNT/ $\beta$ -Catenin Signalling Pathway in Senile Osteoporosis. Journal of cellular and molecular medicine, 29(8), e70552.

Wang Y, et al. (2025) Mettl7a alleviated bone loss in osteoporosis mice by targeting the O-GlcNAcylation of Bsp via m6A methylation. Stem cells translational medicine, 14(7).

Zheng Z, et al. (2025) RKIP regulates bone marrow macrophage differentiation to mediate osteoclastogenesis and H-type vessel formation. Nature communications, 16(1), 7604.

Li Y, et al. (2025) Genetic Deficiency of Hyaluronan Synthase 2 in the Developing Limb Mesenchyme Impairs Postnatal Synovial Joint Formation. Biomedicines, 13(6).

Parsha R, et al. (2025) Elavl1 deletion in limb mesenchyme is dispensable for skeletal morphogenesis. Frontiers in cell and developmental biology, 13, 1501837.

Huang Z, et al. (2025) Regulating osteogenic differentiation of bone marrow mesenchymal stem cells by mTORC1 signaling pathway inhibits bone defect repair in mice. Journal of orthopaedic surgery and research, 20(1), 860.

Su J, et al. (2025) The protective role of adipogenic lineage precursors in maintaining bone marrow redox homeostasis in a mouse model of prenatal dexamethasone exposure. Redox biology, 86, 103820.

Liu X, et al. (2025) Critical role of niche S100A8 for acute myeloid leukemia progression and hematopoiesis regeneration. Blood advances, 9(24), 6575.

Birks S, et al. (2024) Prrx1-driven LINC complex disruption in vivo reduces osteoid deposition but not bone quality after voluntary wheel running. *PloS one*, 19(11), e0307816.

Mertens TF, et al. (2024) MarShie: a clearing protocol for 3D analysis of single cells throughout the bone marrow at subcellular resolution. *Nature communications*, 15(1), 1764.

Xu Y, et al. (2024) USP26 Combats Age-Related Declines in Self-Renewal and Multipotent Differentiation of BMSC by Maintaining Mitochondrial Homeostasis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(44), e2406428.

Marom R, et al. (2024) The IFITM5 mutation in osteogenesis imperfecta type V is associated with an ERK/SOX9-dependent osteoprogenitor differentiation defect. *The Journal of clinical investigation*, 134(15).

He Q, et al. (2024) Amlexanox Enforces Osteogenic Differentiation and Bone Homeostasis Through Inhibiting Ubiquitin-Dependent Degradation of  $\beta$ -Catenin. *International journal of biological sciences*, 20(13), 5254.

Lanzolla G, et al. (2024) Osteoblastic erythropoietin is not required for bone mass accrual. *JBMR plus*, 8(6), ziae052.

Parsha R, et al. (2024) Elavl1 is dispensable for appendicular skeletal development. *bioRxiv : the preprint server for biology*.

O'Donohue AK, et al. (2024) Dietary intervention rescues a bone porosity phenotype in a murine model of Neurofibromatosis Type 1 (NF1). *PloS one*, 19(6), e0304778.

Roberts JL, et al. (2024) IL-17RA Signaling in Prx1<sup>+</sup> Mesenchymal Cells Influences Fracture Healing in Mice. *International journal of molecular sciences*, 25(7).

Li J, et al. (2023) TGF $\beta$ 1+CCR5<sup>+</sup> neutrophil subset increases in bone marrow and causes age-related osteoporosis in male mice. *Nature communications*, 14(1), 159.