

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

Ext1^{tm1Vcs}/Ext1^{tm1Vcs}; Tg(Sp7-cre/ERT)1Hmk

RRID:MGI:4437609

Type: Organism

Proper Citation

RRID:MGI:4437609

Organism Information

URL:

Proper Citation: RRID:MGI:4437609

Description: Allele Detail: Targeted, Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted, Transgenic This is a legacy resource.

Phenotype: neoplasm

Affected Gene: Ext1

Genomic Alteration: tm1Vcs, Tg(Sp7-cre/ERT)1Hmk

Catalog Number: 4437609

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:20080592](#)

Organism Name: Ext1^{tm1Vcs}/Ext1^{tm1Vcs}; Tg(Sp7-cre/ERT)1Hmk

Record Creation Time: 20240120T190305+0000

Record Last Update: 20240130T201825+0000

Ratings and Alerts

No rating or validation information has been found for Ext1^{tm1Vcs}/Ext1^{tm1Vcs}; Tg(Sp7-cre/ERT)1Hmk.

No alerts have been found for Ext1^{tm1Vcs}/Ext1^{tm1Vcs}; Tg(Sp7-cre/ERT)1Hmk.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Zhang QY, et al. (2025) Regulation of enzymatic lipid peroxidation in osteoblasts protects against postmenopausal osteoporosis. Nature communications, 16(1), 758.

Cheng Y, et al. (2022) Conditional knockout of Cdc20 attenuates osteogenesis in craniofacial bones. Tissue & cell, 77, 101829.

Tsukasaki M, et al. (2022) Periosteal stem cells control growth plate stem cells during postnatal skeletal growth. Nature communications, 13(1), 4166.

Liu Z, et al. (2021) An adhesion G protein-coupled receptor is required in cartilaginous and dense connective tissues to maintain spine alignment. eLife, 10.

Tsukasaki M, et al. (2020) OPG Production Matters Where It Happened. Cell reports, 32(10), 108124.

Tsukasaki M, et al. (2018) Host defense against oral microbiota by bone-damaging T cells. Nature communications, 9(1), 701.