

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

C3H/10T1/2 clone 8

RRID:CVCL_0190

Type: Cell Line

Proper Citation

RRID:CVCL_0190

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0190

Proper Citation: RRID:CVCL_0190

Sex: Sex unspecified

Defining Citation: [PMID:3152871](#), [PMID:4357355](#), [PMID:4796800](#), [PMID:25277546](#)

Comments: Breed/subspecies: C3H., Derived from sampling site: Whole embryo. Cell type=Fibroblast., Misspelling: C3HT101/2; Occasionally., Misspelling: C3HIOT 1/2; In NCI-DTP., Omics: SNP array analysis., Doubling time: 15.5 hours, at 9th passage (PubMed=4357355)., Part of: ENCODE project mouse cell lines., Group: Space-flown cell line (cellonaut)., Discontinued: JCRB; JCRB0602; true.

Category: Spontaneously immortalized cell line

Name: C3H/10T1/2 clone 8

Synonyms: C3H/10T1/2-clone8, C3H/10T1/2 CL8, C3H10T1/2 clone8, C3H10T1/2CL8, 10T1/2(clone8), 10T1/2, C3H10T1-2, C3H10T1/2, C3H-10T1/2, C3H 10T1/2, C3H/10T1/2

Cross References: BTO:BTO:0004058, BTO:BTO:0005930, CLO:CLO_0002120, CLO:CLO_0050546, EFO:EFO_0002816, MCCL:MCC:0000081, CLDB:cl567, CLDB:cl568, AddexBio:P0011003/4921, ATCC:CCL-226, CCRID:1101MOU-PUMC000665, CCRID:3101MOUGNM19, CCRID:3101MOUSCSP506, ChEMBL-Cells:ChEMBL3307493, ChEMBL-Targets:ChEMBL614531, CLS:305164, ECACC:99072801, ENCODE:ENCBS034ENC, ENCODE:ENCBS035ENC, JCRB:IFO50415, JCRB:JCRB0003, JCRB:JCRB0602, JCRB:JCRB9080, KCB:KCB 2010243YJ, KCLB:10226, Lonza:1346, NCI-DTP:C3HIOT 1/2, PubChem_Cell_line:CVCL_0190, RCB:RCB0247, TOKU-E:3959, Wikidata:Q54808159

ID: CVCL_0190

Record Creation Time: 20220427T215434+0000

Record Last Update: 20260808T235017+0000

Ratings and Alerts

No rating or validation information has been found for C3H/10T1/2 clone 8.

Warning: Discontinued: JCRB; JCRB0602

Breed/subspecies: C3H., Derived from sampling site: Whole embryo. Cell type=Fibroblast., Misspelling: C3HT101/2; Occasionally., Misspelling: C3HIOT 1/2; In NCI-DTP., Omics: SNP array analysis., Doubling time: 15.5 hours, at 9th passage (PubMed=4357355)., Part of: ENCODE project mouse cell lines., Group: Space-flown cell line (cellonaut)., Discontinued: JCRB; JCRB0602; true.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 710 mentions in open access literature.

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

Manoukian P, et al. (2026) Estrogen Production in Pancreatic Cancer Shapes a Tumor-Suppressive Stromal Microenvironment. Cancer research, 86(3), 571.

Brunner JS, et al. (2026) Aspartate availability drives differential engagement of the malate-aspartate shuttle. Molecular cell, 86(5), 954.

Xie D, et al. (2026) TRPC6 governs brown adipose thermogenesis via a BMP2-p38 MAPK signaling axis. Molecular metabolism, 106, 102341.

Shirakawa T, et al. (2025) Regulation of cortical bone formation by SLIT and NTRK-like family member 1. iScience, 28(7), 112788.

Chen CY, et al. (2025) Pioglitazone plus (-)-epigallocatechin gallate: a novel approach to enhance osteogenic performance in aged bone marrow mesenchymal stem cells. FEBS open bio.

Murley A, et al. (2025) Quiescent cell re-entry is limited by macroautophagy-induced lysosomal damage. Cell, 188(10), 2670.

Contreras O, et al. (2025) OpenEMMU: A versatile, open-source EdU multiplexing methodology for studying DNA replication and cell cycle dynamics. iScience, 28(9), 113380.

Manoukian P, et al. (2025) Stromal Hedgehog Signaling Is Associated with Favorable Outcomes in Pancreatic Cancer. International journal of molecular sciences, 26(11).

- Paras KI, et al. (2025) PAX3-FOXO1 Drives Targetable Cell State-Dependent Metabolic Vulnerabilities in Rhabdomyosarcoma. *Cancer research*, 85(23), 4718.
- Ehlers SF, et al. (2024) A Residual N-Terminal Peptide Enhances Signaling of Depalmitoylated Hedgehog to the Patched Receptor. *Journal of developmental biology*, 12(2).
- Yu L, et al. (2024) FcRn-dependent IgG accumulation in adipose tissue unmasks obesity pathophysiology. *Cell metabolism*.
- You C, et al. (2024) O-GlcNAcylation mediates Wnt-stimulated bone formation by rewiring aerobic glycolysis. *EMBO reports*, 25(10), 4465.
- Zhang Z, et al. (2023) O-GlcNAc glycosylation orchestrates fate decision and niche function of bone marrow stromal progenitors. *eLife*, 12.
- Candray-Medina KS, et al. (2023) Differential cardiomyocyte transcriptomic remodeling during in vitro *Trypanosoma cruzi* infection using laboratory strains provides implications on pathogenic host responses. *Tropical medicine and health*, 51(1), 68.
- Gude F, et al. (2023) Hedgehog is relayed through dynamic heparan sulfate interactions to shape its gradient. *Nature communications*, 14(1), 758.
- Wang S, et al. (2023) miRNA-27a is essential for bone remodeling by modulating p62-mediated osteoclast signaling. *eLife*, 12.
- Li M, et al. (2023) PPP3R1 Promotes MSCs Senescence by Inducing Plasma Membrane Depolarization and Increasing Ca²⁺ Influx. *International journal of molecular sciences*, 24(5).
- Yu Y, et al. (2023) Neuropilin 1 (NRP1) Positively Regulates Adipogenic Differentiation in C3H10T1/2 Cells. *International journal of molecular sciences*, 24(8).
- Zhang HJ, et al. (2023) Transgenic PDGF-BB sericin hydrogel potentiates bone regeneration of BMP9-stimulated mesenchymal stem cells through a crosstalk of the Smad-STAT pathways. *Regenerative biomaterials*, 10, rbac095.
- Manikowski D, et al. (2023) *Drosophila* hedgehog signaling range and robustness depend on direct and sustained heparan sulfate interactions. *Frontiers in molecular biosciences*, 10, 1130064.