

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

SW1353

RRID:CVCL_0543

Type: Cell Line

Proper Citation

RRID:CVCL_0543

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0543

Proper Citation: RRID:CVCL_0543

Description: Cell line SW1353 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Primary central chondrosarcoma

Defining Citation: [PMID:3518877](#), [PMID:15950496](#), [PMID:19787792](#), [PMID:20215515](#), [PMID:22057234](#), [PMID:22460905](#), [PMID:26351324](#), [PMID:26589293](#), [PMID:27231123](#), [PMID:28196595](#), [PMID:29853780](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31300557](#)

Comments: Karyotypic information: Hyperdiploid, 47,XX,+7 (ATCC=HTB-94)., Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: MD Anderson Cell Lines Project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SW1353

Synonyms: SW-1353, SW 1353

Cross References: BTO:BTO_0002003, CLO:CLO_0009186, CLO:CLO_0009210, EFO:EFO_0002360, MCCL:MCC:0000443, CLDB:cl4957, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-7466, ATCC:HTB-94, BCRC:60548, BCRJ:0382, BioSample:SAMN03472765, BioSample:SAMN10988195, cancercellines:CVCL_0543, CCRID:3101HUMTCHu128, Cell_Model_Passport:SIDM01766, ChEMBL-Cells:ChEMBL3307462, ChEMBL-

Targets:CHEMBL614944, CLS:300440, Cosmic:923378, Cosmic:1602475, Cosmic:1992321, DepMap:ACH-000418, FANTOM5_SSTAR:10700-109G7, GEO:GSM887666, GEO:GSM888758, GEO:GSM1670499, GEO:GSM1676319, GEO:GSM1701652, IARC_TP53:27036, ICLC:HTL99008, IGRhCellID:SW1353, IZSLER:BS TCL 213, LiGeA:CCLC_285, Lonza:85, NCBI_Iran:C571, Pharmacodb:SW1353_1525_2019, PRIDE:PXD012985, PRIDE:PXD024953, Progenetix:CVCL_0543, PubChem_Cell_line:CVCL_0543, TOKU-E:3213, Ubigen:YC-C105, Wikidata:Q54971078

ID: CVCL_0543

Record Creation Time: 20220427T221614+0000

Record Last Update: 20260913T010149+0000

Ratings and Alerts

No rating or validation information has been found for SW1353.

No alerts have been found for SW1353.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 255 mentions in open access literature.

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

Mu Y, et al. (2026) Mitochondrial dysfunction activates ADAMTS-5 expression via mt-dsRNA-PKR-Spi-1 axis in osteoarthritic chondrocytes. *iScience*, 29(6), 115980.

Nelson BE, et al. (2025) Phase Ib Study of Pembrolizumab in Combination with Intratumoral Injection of Clostridium novyi-NT in Patients with Advanced Solid Tumors. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(18), 3864.

Lenté M, et al. (2025) Exploring adenosine analogs for chondrosarcoma therapy: In vitro and in vivo insights. *Molecular therapy. Nucleic acids*, 36(3), 102642.

Tian W, et al. (2025) Genetic transcriptional regulation profiling of cartilage reveals pathogenesis of osteoarthritis. *EBioMedicine*, 117, 105821.

Dai C, et al. (2025) Pharmacologic inhibition of CSF-1R suppresses intrinsic tumor cell growth in osteosarcoma with CSF-1R overexpression. *Journal of translational medicine*, 23(1), 900.

Nakagawa M, et al. (2025) Protein Phosphatase 1 Regulatory Subunit 3C integrates cholesterol metabolism and isocitrate dehydrogenase in chondrocytes and neoplasia. *Proceedings of the National Academy of Sciences of the United States of America*, 122(16), e2501519122.

Zhao T, et al. (2025) Derepressing nuclear pyruvate dehydrogenase induces therapeutic cancer cell reprogramming. *Cell metabolism*, 37(8), 1667.

Noronha KJ, et al. (2024) NAPRT Silencing in FH-Deficient Renal Cell Carcinoma Confers Therapeutic Vulnerabilities via NAD⁺ Depletion. *Molecular cancer research : MCR*, 22(10), 973.

Suh J, et al. (2024) Decoupling NAD⁺ metabolic dependency in chondrosarcoma by targeting the SIRT1-HIF-2 α axis. *Cell reports. Medicine*, 5(1), 101342.

M?sr BA, et al. (2024) Novel diarylated tacrine derivatives: Synthesis, characterization, anticancer, antiepileptic, antibacterial, and antifungal activities. *Journal of biochemical and molecular toxicology*, 38(4), e23706.

Green D, et al. (2023) YBX1-interacting small RNAs and RUNX2 can be blocked in primary bone cancer using CADD522. *Journal of bone oncology*, 39, 100474.

Huang H, et al. (2023) LncRNA WDR11-AS1 Promotes Extracellular Matrix Synthesis in Osteoarthritis by Directly Interacting with RNA-Binding Protein PABPC1 to Stabilize SOX9 Expression. *International journal of molecular sciences*, 24(1).

Chen JC, et al. (2023) MicroRNA-631 Resensitizes Doxorubicin-Resistant Chondrosarcoma Cells by Targeting Apelin. *International journal of molecular sciences*, 24(1).

Wang W, et al. (2023) Trimanganese Tetroxide Nanozyme protects Cartilage against Degeneration by Reducing Oxidative Stress in Osteoarthritis. *Advanced science (Weinheim, Baden-Wurtemberg, Germany)*, 10(17), e2205859.

Zeng J, et al. (2023) Bone mesenchymal stem cell-derived exosomes involved co-delivery and synergism effect with icariin via mussel-inspired multifunctional hydrogel for cartilage protection. *Asian journal of pharmaceutical sciences*, 18(3), 100799.

Tamburaci S, et al. (2023) Fabrication of Helix aspersa Extract Loaded Gradient Scaffold with an Integrated Architecture for Osteochondral Tissue Regeneration: Morphology, Structure, and In Vitro Bioactivity. *ACS applied bio materials*, 6(4), 1504.

Lee YM, et al. (2023) Protective Effects of Glycine soja Leaf and Stem Extract against Chondrocyte Inflammation and Osteoarthritis. *International journal of molecular sciences*, 24(5).

Staebler S, et al. (2023) MIA/CD-RAP Regulates MMP13 and Is a Potential New Disease-Modifying Target for Osteoarthritis Therapy. *Cells*, 12(2).

Kim S, et al. (2023) Analysis of mitochondrial double-stranded RNAs in human cells. *STAR protocols*, 4(1), 102007.

Yang J, et al. (2022) Interleukin-35 inhibits angiogenesis through T helper17/ Interleukin-17 related signaling pathways in IL-1 β -stimulated SW1353 cells. *Molecular immunology*, 147, 71.