

Resource Summary Report

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

HSC-T6

RRID:CVCL_0315

Type: Cell Line

Proper Citation

RRID:CVCL_0315

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0315

Proper Citation: RRID:CVCL_0315

Description: Cell line HSC-T6 is a Transformed cell line with a species of origin Rattus norvegicus (Rat)

Sex: Female

Defining Citation: [PMID:10828080](#), [PMID:17760834](#), [PMID:26300973](#), [PMID:35681478](#)

Comments: Caution: Was originally (PubMed=10828080) reported to be established from a male rat, but was later shown (PubMed=35681478) to have a female karyotype., Karyotypic information: 43,XX,der(1),+4,+7,-12,+mar (PubMed=35681478).

Category: Transformed cell line

Organism: Rattus norvegicus (Rat)

Name: HSC-T6

Synonyms: HSCT6

Cross References: BTO:BTO_0003520, MCCL:MCC:0000208, ChEMBL-Cells:ChEMBL4651377, CLS:305199, KCB:KCB 200703YJ, Millipore:SCC069, PubChem_Cell_line:CVCL_0315, Wikidata:Q54896418

ID: CVCL_0315

Record Creation Time: 20220427T220615+0000

Record Last Update: 20260829T234239+0000

Ratings and Alerts

No rating or validation information has been found for HSC-T6.

No alerts have been found for HSC-T6.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 304 mentions in open access literature.

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

Yang JQ, et al. (2026) Asarinin alleviates hepatic fibrosis through TR α -STAT3 pathway: A new strategy by regulating liver microenvironment. *Journal of ethnopharmacology*, 368, 121759.

Wang Y, et al. (2026) Safflower Polysaccharides Target FXR to Regulate Intestinal Flora and Metabolic Disorders, Affecting FGFR4/FGF15 to Improve Alcoholic Liver Fibrosis in Mice. *Phytotherapy research : PTR*, 40(6), 3094.

Zhai S, et al. (2026) Effect of LY2109761 on TGF- β 1/TGF β RI/Smad Pathway and Hepatic Fibrosis Cysts Formation in Rats Infected with *Echinococcus granulosus*: an In Vitro and In Vivo Study. *Acta parasitologica*, 71(4).

Wang WL, et al. (2025) Syringin attenuates fibrogenesis and inflammation through SIRT3-regulated P2X7 receptor signaling pathway in hepatic fibrosis. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 148, 157461.

Zhang JJ, et al. (2025) Eriocitrin ameliorates hepatic fibrosis and inflammation: The involvement of PPAR γ -mediated NLRP1/NLRC4 inflammasome signaling cascades. *Journal of ethnopharmacology*, 338(Pt 3), 119119.

Buitkamp LF, et al. (2025) Comprehensive Genetic and Molecular Characterization Confirms Hepatic Stellate Cell Origin of the Immortal Col-GFP HSC Line. *International journal of molecular sciences*, 26(16).

Ji Y, et al. (2024) A long-acting FGF21 attenuates metabolic dysfunction-associated steatohepatitis-related fibrosis by modulating NR4A1-mediated Ly6C phenotypic switch in macrophages. *British journal of pharmacology*, 181(16), 2923.

Song J, et al. (2024) Albiflorin ameliorates thioacetamide-induced hepatic fibrosis: The involvement of NURR1-mediated inflammatory signaling cascades in hepatic stellate cells activation. *Ecotoxicology and environmental safety*, 276, 116334.

Jiang Y, et al. (2024) Sesamol as a potential candidate for the treatment of hepatic fibrosis, based on its regulation of FXR/LXR axis-mediated inhibition of autophagy through crosstalk between hepatic cells and macrophage. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 123, 155145.

Jiang YC, et al. (2024) Raspberry Ketone Attenuates Hepatic Fibrogenesis and Inflammation via Regulating the Crosstalk of FXR and PGC-1 α Signaling. *Journal of agricultural and food chemistry*, 72(28), 15740.

Du J, et al. (2023) An optimized method for Oil Red O staining with the salicylic acid ethanol solution. *Adipocyte*, 12(1), 2179334.

Liu Z, et al. (2023) CD73/NT5E-mediated ubiquitination of AURKA regulates alcohol-related liver fibrosis via modulating hepatic stellate cell senescence. *International journal of biological sciences*, 19(3), 950.

Li R, et al. (2023) Neddylation of EphB1 Regulates Its Activity and Associates with Liver Fibrosis. *International journal of molecular sciences*, 24(4).

Batudeligen , et al. (2023) Luteolin Alleviates Liver Fibrosis in Rat Hepatic Stellate Cell HSC-T6: A Proteomic Analysis. *Drug design, development and therapy*, 17, 1819.

Gäberlein K, et al. (2023) Genetic Characterization of Rat Hepatic Stellate Cell Line PAV-1. *Cells*, 12(12).

Lin CY, et al. (2023) Peptide-Based siRNA Nanocomplexes Targeting Hepatic Stellate Cells. *Biomolecules*, 13(3).

Chen P, et al. (2023) Schizandrin C regulates lipid metabolism and inflammation in liver fibrosis by NF- κ B and p38/ERK MAPK signaling pathways. *Frontiers in pharmacology*, 14, 1092151.

Wan G, et al. (2023) The total polyphenolic glycoside extract of *Lamiophlomis rotata* ameliorates hepatic fibrosis through apoptosis by TGF- β /Smad signaling pathway. *Chinese medicine*, 18(1), 20.

Dong H, et al. (2023) Nanodrug rescues liver fibrosis via synergistic therapy with H₂O₂ depletion and Saikosaponin b1 sustained release. *Communications biology*, 6(1), 184.

Li J, et al. (2023) Aqueous extract of *Amydrium sinense* (Engl.) H. Li alleviates hepatic fibrosis by suppressing hepatic stellate cell activation through inhibiting Stat3 signaling. *Frontiers in pharmacology*, 14, 1101703.