

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

HSC-3

RRID:CVCL_1288

Type: Cell Line

Proper Citation

RRID:CVCL_1288

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1288

Proper Citation: RRID:CVCL_1288

Description: Cell line HSC-3 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Tongue squamous cell carcinoma

Defining Citation: [PMID:1570156](#), [PMID:2228902](#), [PMID:2585303](#), [PMID:7591301](#), [PMID:9023415](#), [PMID:9290701](#), [PMID:9813718](#), [PMID:10069537](#), [PMID:10741724](#), [PMID:11416159](#), [PMID:11755821](#), [PMID:12738951](#), [PMID:16127291](#), [PMID:17052259](#), [PMID:17325662](#), [PMID:17599052](#), [PMID:17719389](#), [PMID:18097548](#), [PMID:18423281](#), [PMID:18973137](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:21362583](#), [PMID:22460905](#), [PMID:24627082](#), [PMID:26754630](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Miscellaneous: STR profile from personal communication of Sano, Daisuke., Population: Japanese., Part of: COSMIC 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: HSC-3

Synonyms: HSC 3, HSC3

Cross References: BTO:BTO_0002025, CLO:CLO_0051569, EFO:EFO_0022703, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:647, BioSample:SAMN01821684, BioSample:SAMN03471639,

BioSample:SAMN10987855, cancercellines:CVCL_1288, Cell_Model_Passport:SIDM00589, CGH-DB:364-2, ChEMBL-Cells:ChEMBL3307947, ChEMBL-Targets:ChEMBL612279, CLS:305312, Cosmic:907061, Cosmic:930331, Cosmic:932148, Cosmic:1042299, Cosmic:1046028, Cosmic:1118789, Cosmic:1120698, Cosmic:1123039, Cosmic:1140781, Cosmic:1219865, Cosmic:1530744, Cosmic:1571802, Cosmic:2266784, Cosmic:2546836, Cosmic-CLP:907061, DepMap:ACH-000778, EGA:EGAS00001000978, FANTOM5_SSTAR:10545-107H5, GDSC:907061, GEO:GSM243522, GEO:GSM301579, GEO:GSM827234, GEO:GSM850383, GEO:GSM887134, GEO:GSM888205, GEO:GSM950317, GEO:GSM950318, GEO:GSM950319, GEO:GSM950320, GEO:GSM1669904, IARC_TP53:1100, JCRB:JCRB0623, LiGeA:CCLE_819, LINCS_LDP:LCL-1217, Millipore:SCC193, PharmacDB:HSC3_620_2019, PRIDE:PXD029420, PRIDE:PXD030304, Progenetix:CVCL_1288, PubChem_Cell_line:CVCL_1288, RCB:RCB1975, TKG:TKG 0484, Ubigen:YC-C063, Wikidata:Q54896384

ID: CVCL_1288

Record Creation Time: 20220427T220615+0000

Record Last Update: 20260905T180806+0000

Ratings and Alerts

No rating or validation information has been found for HSC-3.

No alerts have been found for HSC-3.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 632 mentions in open access literature.

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

Mcllvried LA, et al. (2026) CGRP signaling links tumor-associated pain to immune evasion in oral squamous cell carcinoma. Cell reports, 45(2), 116994.

Wang CW, et al. (2026) ENOX2 (tNOX)-Associated Stemness in Oral Cancer Cells and Its Clinical Correlation in Head and Neck Tumors. Antioxidants (Basel, Switzerland), 15(1).

Zhou Y, et al. (2026) Distinct Regulation of the ARF and TAp73 Tumor Suppressor Genes by the Transcription Factor E2F1 Enables Discrimination of Cancer Cells from Normal Growing Cells. Cells, 15(1).

Du Y, et al. (2026) Maackia amurensis seed lectin inhibits oral squamous cell carcinoma tumorigenesis by suppressing N6-methyladenosine modification-mediated SRY-box transcription factor 2 expression. The Journal of international medical research, 54(6),

3000605261457780.

Peng HY, et al. (2025) EGFRvIII-driven microenvironmental fibroblast activation and transformation accelerate oral cancer progression via lipocalin-2/STAT3 axis. *Neoplasia* (New York, N.Y.), 66, 101193.

Zhang Q, et al. (2025) Associations between MTA1 and the outcome of oral leukoplakia: evidence from cohort studies and functional analyses. *Oral surgery, oral medicine, oral pathology and oral radiology*, 140(4), 455.

Chiu PH, et al. (2025) Therapeutic stress triggers tumor STAT1 acetylation to disarm immunotherapy. *Cell reports. Medicine*, 6(11), 102448.

Amtha R, et al. (2025) Tempeh Extract and HSC-3 Cell Migration: An In Vitro Study. *Asian Pacific journal of cancer prevention : APJCP*, 26(12), 4465.

Mulpuri Y, et al. (2025) TRPV4 activation in Schwann cells mediates mechanically induced pain of oral cancer. *Frontiers in pain research (Lausanne, Switzerland)*, 6, 1532885.

Giannopoulos-Dimitriou A, et al. (2025) Towards implementing optimized methodologies and in-depth molecular profiling to assess the pharmacological potential of human lung fibroblast exosomes as bio-shuttles for cancer therapeutics. *European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences*, 212, 107155.

Huang YH, et al. (2025) Tribbles pseudokinase 3 drives cancer stemness in oral squamous cell carcinoma cells by supporting the expression levels of SOX2 and EGFR. *International journal of molecular medicine*, 55(3).

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Fan X, et al. (2025) KLF7 promotes progression of Head and Neck Squamous Cell Carcinoma by remodeling tumor immune microenvironment. *Cancer letters*, 218237.

Liao TT, et al. (2024) Hypoxia-Induced Long Noncoding RNA HIF1A-AS2 Regulates Stability of MHC Class I Protein in Head and Neck Cancer. *Cancer immunology research*, 12(10), 1468.

Jin N, et al. (2024) Multispectral fluorescence imaging of EGFR and PD-L1 for precision detection of oral squamous cell carcinoma: a preclinical and clinical study. *BMC medicine*, 22(1), 342.

Nakashoji A, et al. (2024) Identification of MUC1-C as a Target for Suppressing Progression of Head and Neck Squamous Cell Carcinomas. *Cancer research communications*, 4(5), 1268.

Aizawa Y, et al. (2024) Development and Characterization of a Three-Dimensional Organotypic In Vitro Oral Cancer Model with Four Co-Cultured Cell Types, Including Patient-Derived Cancer-Associated Fibroblasts. *Biomedicines*, 12(10).

Feng YY, et al. (2024) Synthetic lethal CRISPR screen identifies a cancer cell-intrinsic role of PD-L1 in regulation of vulnerability to ferroptosis. *Cell reports*, 43(7), 114477.

Sartori-Maldonado R, et al. (2024) Thymidylate synthase disruption to limit cell proliferation in cell therapies. *Molecular therapy : the journal of the American Society of Gene Therapy*, 32(8), 2535.

Chang HC, et al. (2024) Interplay of p62-mTORC1 and EGFR signaling promotes cisplatin resistance in oral cancer. *Heliyon*, 10(6), e28406.