

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

HSC-2

RRID:CVCL_1287

Type: Cell Line

Proper Citation

RRID:CVCL_1287

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1287

Proper Citation: RRID:CVCL_1287

Description: Cell line HSC-2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Oral cavity squamous cell carcinoma

Defining Citation: [PMID:1570156](#), [PMID:2228902](#), [PMID:2585303](#), [PMID:9023415](#), [PMID:9290701](#), [PMID:10069537](#), [PMID:11416159](#), [PMID:11755821](#), [PMID:12738951](#), [PMID:15800904](#), [PMID:17052259](#), [PMID:17325662](#), [PMID:17599052](#), [PMID:18097548](#), [PMID:18973137](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:23992541](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:32990596](#), [PMID:35839778](#)

Comments: 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-2

Synonyms: HSC2

Cross References: BTO:BTO_0003881, CLO:CLO_0051383, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:1284, BioSample:SAMN03471637, BioSample:SAMN03472038, BioSample:SAMN10987832, cancercellines:CVCL_1287, Cell_Model_Passport:SIDM00590, CGH-DB:358-2, ChEMBL-Cells:ChEMBL3308482,

ChEMBL-Targets:CHEMBL1075468, Cosmic:753562, Cosmic:930330, Cosmic:932147, Cosmic:1046027, Cosmic:1118788, Cosmic:1120697, Cosmic:1123038, Cosmic:1140780, Cosmic:1219864, Cosmic:1530743, Cosmic:1571799, Cosmic:2266783, Cosmic:2546835, Cosmic-CLP:753562, DepMap:ACH-000472, EGA:EGAS00001000978, GDSC:753562, GEO:GSM243521, GEO:GSM827233, GEO:GSM850382, GEO:GSM887133, GEO:GSM888204, GEO:GSM1669903, IARC_TP53:1101, JCRB:JCRB0622, LiGeA:CCLE_109, LINCS_LDP:LCL-1206, PharmacDB:HSC2_619_2019, PRIDE:PXD030304, Progenetix:CVCL_1287, PubChem_Cell_line:CVCL_1287, RCB:RCB1945, TKG:TKG 0487, Wikidata:Q54076889

ID: CVCL_1287

Record Creation Time: 20220427T220615+0000

Record Last Update: 20260913T004527+0000

Ratings and Alerts

No rating or validation information has been found for HSC-2.

No alerts have been found for HSC-2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 322 mentions in open access literature.

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

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.

Xu C, et al. (2026) HOMER3 drives oral squamous cell carcinoma progression through TRPV6 calcium influx and TUBB3 microtubule stabilization. Oncogene, 45(2), 278.

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).

Yamazaki M, et al. (2026) Necrotic tumor cells contribute to pro-tumoral responses and inflammatory mediator production via NF- κ B activation in oral squamous cell carcinoma. Biochemical and biophysical research communications, 829, 154211.

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.

Park S, et al. (2025) The PTTG1/VASP axis promotes oral squamous cell carcinoma metastasis by modulating focal adhesion and actin filaments. *Molecular oncology*, 19(5), 1517.

Xu T, et al. (2025) Single-cell transcriptomic landscape of keratinocyte transformation from actinic keratosis to skin carcinoma. *iScience*, 28(12), 114169.

Chai AWY, et al. (2024) High TNF and NF- κ B Pathway Dependency Are Associated with AZD5582 Sensitivity in OSCC via CASP8-Dependent Apoptosis. *Cancer research communications*, 4(11), 2919.

Gupta A, et al. (2024) EGFR-directed antibodies promote HER2 ADC internalization and efficacy. *Cell reports. Medicine*, 5(11), 101792.

Wang H, et al. (2023) Synthesis and bioactivity evaluation of pachymic acid derivatives as potential cytotoxic agents. *Medicinal chemistry research : an international journal for rapid communications on design and mechanisms of action of biologically active agents*, 32(2), 342.

Chea C, et al. (2023) Molecular Mechanisms of Inhibitory Effects of Bovine Lactoferrin on Invasion of Oral Squamous Cell Carcinoma. *Pharmaceutics*, 15(2).

Sasaya T, et al. (2023) Cisplatin-induced HSF1-HSP90 axis enhances the expression of functional PD-L1 in oral squamous cell carcinoma. *Cancer medicine*, 12(4), 4605.

Chen W, et al. (2023) TIPE3 represses head and neck squamous cell carcinoma progression via triggering PGAM5 mediated mitochondria dysfunction. *Cell death & disease*, 14(4), 251.

Panahipour L, et al. (2023) Oral Cell Lysates Reduce the Inflammatory Response of Activated Macrophages. *Journal of clinical medicine*, 12(4).

Kleszcz R, et al. (2023) Tannins in cancer prevention and therapy. *British journal of pharmacology*.

Hazawa M, et al. (2023) Super-enhancer trapping by the nuclear pore via intrinsically disordered regions of proteins in squamous cell carcinoma cells. *Cell chemical biology*.

Kawasaki Y, et al. (2023) LAT1 is associated with poor prognosis and radioresistance in head and neck squamous cell carcinoma. *Oncology letters*, 25(4), 171.

Yuan TZ, et al. (2023) NEDD8 promotes radioresistance via triggering autophagy formation and serves as a novel prognostic marker in oral squamous cell carcinoma. *Cancer cell international*, 23(1), 41.

Basilotta R, et al. (2023) Therapeutic Potential of Dimethyl Fumarate in Counteract Oral Squamous Cell Carcinoma Progression by Modulating Apoptosis, Oxidative Stress and Epithelial-Mesenchymal Transition. *International journal of molecular sciences*, 24(3).

Wenhua S, et al. (2023) Cancer cell-derived novel periostin isoform promotes invasion in head and neck squamous cell carcinoma. *Cancer medicine*, 12(7), 8510.