Resource Summary Report

Generated by dkNET on Sep 1, 2026

HSC-4

RRID:CVCL_1289
Type: Cell Line

Proper Citation

RRID:CVCL_1289

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1289

Proper Citation: RRID:CVCL_1289

Description: Cell line HSC-4 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:9247707, PMID:9290701, PMID:10069537, PMID:10741724, PMID:11416159, PMID:11755821, PMID:12738951, PMID:17052259, PMID:17325662, PMID:17599052, PMID:18097548, PMID:20164919, PMID:20215515, PMID:22460905, PMID:26589293, PMID:27397505, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31978347, PMID:32990596, PMID:35839778, PMID:37949965

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-4

Synonyms: HSC4

Cross References: BTO:BTO_0002026, CLO:CLO_0051567, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:892, BioSample:SAMN03471638, BioSample:SAMN03472086, BioSample:SAMN10987856, cancercelllines:CVCL_1289, Cell_Model_Passport:SIDM00588, CGH-DB:365-2, ChEMBL-Cells:CHEMBL3308109,

ChEMBL-Targets:CHEMBL1075469, Cosmic:907062, Cosmic:930332, Cosmic:932149, Cosmic:1046029, Cosmic:1118790, Cosmic:1120699, Cosmic:1123040, Cosmic:1140782, Cosmic:1219866, Cosmic:2266785, Cosmic:2546837, Cosmic-CLP:907062, DepMap:ACH-000546, EGA:EGAS00001000978, GDSC:907062, GEO:GSM827203, GEO:GSM850384, GEO:GSM887135, GEO:GSM888206, GEO:GSM1669906, GEO:GSM7695972, GEO:GSM7695973, IARC_TP53:1102, JCRB:JCRB0624, LiGeA:CCLE_513, LINCS_LDP:LCL-1218, PharmacoDB:HSC4_622_2019, PRIDE:PXD030304, Progenetix:CVCL_1289, PubChem_Cell_line:CVCL_1289, RCB:RCB1902, TKG:TKG 0489, Wikidata:Q54896390

ID: CVCL_1289

Record Creation Time: 20220427T220615+0000

Record Last Update: 20260829T234238+0000

Ratings and Alerts

No rating or validation information has been found for HSC-4.

No alerts have been found for HSC-4.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 248 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Tiskratok W, et al. (2026) Matrix Stiffness Drives Aggressive Phenotype in Tongue Squamous Cell Carcinoma via Mechanotransduction-Stromal Signalling. International dental journal, 76(4), 109581.

Sato K, et al. (2026) Aberrant Hippo-YAP/TEAD Signaling Drives Malignant Transcriptional Reprogramming in External Auditory Canal Squamous Cell Carcinoma. Cancer research communications, 6(2), 260.

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.

Kulthanaamondhita P, et al. (2024) Betaine Induces Apoptosis and Inhibits Invasion in OSCC Cell Lines. International journal of molecular sciences, 25(19).

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

Meidenbauer J, et al. (2024) Inhibition of ATM or ATR in combination with hypo-fractionated radiotherapy leads to a different immunophenotype on transcript and protein level in HNSCC. Frontiers in oncology, 14, 1460150.

Noh JK, et al. (2024) Targeting ferroptosis for improved radiotherapy outcomes in HPV-negative head and neck squamous cell carcinoma. Molecular oncology.

Zwick A, et al. (2024) Engineering Dimeric EGFR-directed IgA Antibodies Reveals a Central Role of CD147 during Neutrophil-mediated Tumor Cell Killing of Head and Neck Squamous Cancer Cells. Journal of immunology (Baltimore, Md. : 1950), 213(2), 148.

Pan X, et al. (2023) BASP1 is a prognostic biomarker associated with immunotherapeutic response in head and neck squamous cell carcinoma. Frontiers in oncology, 13, 1021262.

Yoshimoto S, et al. (2023) Establishment of a novel protocol for formalin-fixed paraffin-embedded organoids and spheroids. Biology open, 12(5).

Noh JK, et al. (2023) Gene signature predicting recurrence in oral squamous cell carcinoma is characterized by increased oxidative phosphorylation. Molecular oncology, 17(1), 134.

Ali F, et al. (2023) Species distribution modelling of Monotheca buxifolia (Falc.) A. DC.: Present distribution and impacts of potential climate change. Heliyon, 9(2), e13417.

Kim JH, et al. (2023) Clinical significance of L1CAM expression and its biological role in the progression of oral squamous cell carcinoma. Oncology reports, 49(4).

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.

Houri A, et al. (2023) Suprabasin enhances the invasion, migration, and angiogenic ability of oral squamous cell carcinoma cells under hypoxic conditions. Oncology reports, 49(5).

Novoplansky O, et al. (2023) Activation of the EGFR/PI3K/AKT pathway limits the efficacy of trametinib treatment in head and neck cancer. Molecular oncology, 17(12), 2618.

Xu N, et al. (2023) Inhibition of human oral squamous cell carcinoma proliferation and migration by prodrug-activating suicide gene therapies. Experimental and therapeutic medicine, 25(2), 92.

Emer C, et al. (2023) In Vitro Analysis of Superparamagnetic Iron Oxide Nanoparticles Coated with APTES as Possible Radiosensitizers for HNSCC Cells. Nanomaterials (Basel, Switzerland), 13(2).