

Resource Summary Report

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UPCI-SCC-090

RRID:CVCL_1899

Type: Cell Line

Proper Citation

DSMZ Cat# ACC-670, RRID:CVCL_1899

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1899

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Description: Cell line UPCI-SCC-090 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Tongue squamous cell carcinoma

Defining Citation: [PMID:17112776](#), [PMID:17681875](#), [PMID:17848307](#), [PMID:20215515](#), [PMID:23419152](#), [PMID:24201445](#), [PMID:24403267](#), [PMID:25275298](#), [PMID:27397505](#), [PMID:28236344](#), [PMID:29156801](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:33802339](#), [PMID:35839778](#)

Comments: Virology: Contains from 100 to 500 copies of the HPV16 genome (PubMed=24201445)., Population: Caucasian., Part of: OPC-22 oral and pharyngeal cancer cell line panel., 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: UPCI-SCC-090

Synonyms: UPCI-SCC-90, UPCI:SCC090, UPCI:SCC90, UPCI-SCC090, UPCI:SCC090, SCC090, SCC90

Cross References: ArrayExpress:E-MTAB-3610, ATCC:CRL-3239, BioGRID_ORCS_Cell_line:1007, BioSample:SAMN03473425, Cell_Model_Passport:SIDM00399, Cosmic:1122679, Cosmic:1530750, Cosmic:2296310, Cosmic-CLP:1299052, DepMap:ACH-001227, DSMZ:ACC-670, DSMZCellDive:ACC-670,

EGA:EGAS00001000978, GDSC:1299052, GEO:GSM937832, GEO:GSM937833, PharmacDB:SCC90_1357_2019, PRIDE:PXD030304, Wikidata:Q54991658

ID: CVCL_1899

Vendor: DSMZ

Catalog Number: ACC-670

Record Creation Time: 20220427T221702+0000

Record Last Update: 20260920T010055+0000

Ratings and Alerts

No rating or validation information has been found for UPCI-SCC-090.

No alerts have been found for UPCI-SCC-090.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

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

Sywanycz S, et al. (2026) T2R5 Agonist Phendione Decreases Cell Viability and Induces Apoptosis in Head and Neck Squamous Cell Carcinoma. *Molecular cancer therapeutics*, 25(3), 396.

Choudhury SR, et al. (2026) HOXC6 overexpression stimulates cell migration and correlates with poor prognosis in head and neck squamous cell carcinoma. *Cellular and molecular life sciences : CMLS*, 83(1), 77.

Wu J, et al. (2026) Protein Phosphatase 2 Is Required for Metastatic Dormancy and Is Regulated by Histone Demethylase KDM5A. *Molecular carcinogenesis*, 65(6), 687.

Zamuner FT, et al. (2025) Epigenetic profiling reveals key super-enhancer networks driving oncogenesis in HPV-positive HNSCC. *iScience*, 28(11), 113911.

Levpuscek K, et al. (2025) Human papillomavirus-related oropharyngeal squamous cell carcinoma exhibits enhanced radiosensitivity despite limited activation of cytosolic DNA sensing pathways and innate immune responses. *Radiology and oncology*, 59(4), 566.

Lim YX, et al. (2025) Splicing of HPV16 E6 promotes aggressive invasion in oropharyngeal cancer via endocytosis of E-cadherin. *bioRxiv : the preprint server for biology*.

Li Y, et al. (2025) Tobacco smoke exposure is a driver of altered oxidative stress response and immunity in head and neck cancer. *Journal of translational medicine*, 23(1), 403.

Fehn A, et al. (2025) 5-Aza-2'-deoxycytidin (Decitabine) increases cancer-testis antigen expression in head and neck squamous cell carcinoma and modifies immune checkpoint expression, especially in CD39-positive CD8 and CD4 T cells. *Neoplasia (New York, N.Y.)*, 59, 101086.

Saulters EL, et al. (2024) Differential Regulation of the STING Pathway in Human Papillomavirus-Positive and -Negative Head and Neck Cancers. *Cancer research communications*, 4(1), 118.

Saleh H, et al. (2024) KH-like Domains in PARP9/DTX3L and PARP14 Coordinate Protein-Protein Interactions to Promote Cancer Cell Survival. *Journal of molecular biology*, 436(4), 168434.

Karimzadeh M, et al. (2023) Human papillomavirus integration transforms chromatin to drive oncogenesis. *Genome biology*, 24(1), 142.

Wang Z, et al. (2023) Characterization of immune microenvironment in patients with HPV-positive and negative head and neck cancer. *Scientific data*, 10(1), 694.

Sannigrahi MK, et al. (2022) HPV E6 regulates therapy responses in oropharyngeal cancer by repressing the PGC-1 α /ERR α axis. *JCI insight*, 7(18).

Sieber-Frank J, et al. (2021) Treatment resistance analysis reveals GLUT-1-mediated glucose uptake as a major target of synthetic rocaglates in cancer cells. *Cancer medicine*, 10(19), 6807.

Sakai A, et al. (2020) Aberrant expression of CPSF1 promotes head and neck squamous cell carcinoma via regulating alternative splicing. *PloS one*, 15(5), e0233380.

Rostami A, et al. (2020) Senescence, Necrosis, and Apoptosis Govern Circulating Cell-free DNA Release Kinetics. *Cell reports*, 31(13), 107830.