

Resource Summary Report

Generated by [dkNET](#) on Aug 27, 2026

SCC-15

RRID:CVCL_1681

Type: Cell Line

Proper Citation

ATCC Cat# CRL-1623, RRID:CVCL_1681

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1681

Proper Citation: ATCC Cat# CRL-1623, RRID:CVCL_1681

Description: Cell line SCC-15 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Tongue squamous cell carcinoma

Defining Citation: [PMID:1394225](#), [PMID:3138611](#), [PMID:6186388](#), [PMID:6201865](#), [PMID:7214336](#), [PMID:8390283](#), [PMID:17312569](#), [PMID:20014447](#), [PMID:20215515](#), [PMID:21868764](#), [PMID:22460905](#), [PMID:22546478](#), [PMID:25275298](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:27664486](#), [PMID:28196595](#), [PMID:29156801](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31395879](#), [PMID:35839778](#)

Comments: Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: OPC-22 oral and pharyngeal cancer cell line panel., Part of: MD Anderson Cell Lines Project., 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: SCC-15

Synonyms: SCC 15, SCC15

Cross References: BTO:BTO_0005102, CLO:CLO_0008966, EFO:EFO_0006482, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-1623, BCRJ:0218, BioSample:SAMN03473152, BioSample:SAMN10988435, cancercellines:CVCL_1681,

Cell_Model_Passport:SIDM01083, ChEMBL-Cells:CHEMBL3307438, ChEMBL-Targets:CHEMBL614899, Cosmic:910911, Cosmic:921835, Cosmic:932150, Cosmic:1006468, Cosmic:1017794, Cosmic:1041675, Cosmic:1530752, Cosmic:1752765, Cosmic:2131855, Cosmic:2266793, Cosmic:2296301, Cosmic-CLP:910911, DepMap:ACH-000254, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:910911, GEO:GSM422871, GEO:GSM423674, GEO:GSM887558, GEO:GSM888641, GEO:GSM950313, GEO:GSM950314, GEO:GSM950315, GEO:GSM950316, GEO:GSM1670408, IGRhCellID:SCC15%20GSE9585, LiGeA:CCLE_118, LINCS_LDP:LCL-1222, PharmacDB:SCC15_1352_2019, PRIDE:PXD030304, Progenetix:CVCL_1681, PubChem_Cell_line:CVCL_1681, TOKU-E:3096, Wikidata:Q54952338

ID: CVCL_1681

Vendor: ATCC

Catalog Number: CRL-1623

Record Creation Time: 20220427T221517+0000

Record Last Update: 20260815T235715+0000

Ratings and Alerts

No rating or validation information has been found for SCC-15.

Warning: Discontinued: BCRJ; 0218

Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: OPC-22 oral and pharyngeal cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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.

Wang L, et al. (2026) Anti-SIA-clgG enhances chemotherapy effectiveness through PTPN13-regulated tumor stemness in head and neck squamous cell carcinoma. Journal of translational internal medicine, 14(2), 237.

Hu X, et al. (2026) Immune gene diversity and STING1 variants in shaping cancer immunity across different genetic ancestry populations. *Cell reports*, 45(2), 116882.

Liu W, et al. (2026) DDX24 exacerbates inflammation-induced immunosuppression in oral squamous cell carcinoma progression through IL-17 signaling pathway. *Archives of oral biology*, 188, 106639.

Qin Z, et al. (2025) Co-targeting BMI1 and MYC to eliminate cancer stem cells in squamous cell carcinoma. *Cell reports. Medicine*, 6(5), 102077.

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.

Liu J, et al. (2025) Targeting PIK3CB/YAP1 improves the sensitivity of paclitaxel by suppressing aging in head and neck squamous tumor cells. *Cancer cell international*, 25(1), 190.

Sinha S, et al. (2024) Aberrant activation of AXL may drive progression of squamous cell carcinoma in CLL patients: a mechanistic study with clinical implications. *British journal of cancer*, 131(3), 589.

Mahieu CI, et al. (2024) ORAOV1, CCND1, and MIR548K Are the Driver Oncogenes of the 11q13 Amplicon in Squamous Cell Carcinoma. *Molecular cancer research : MCR*, 22(2), 152.

Schulz D, et al. (2024) Subcellular localization of PD-L1 and cell-cycle-dependent expression of nuclear PD-L1 variants: implications for head and neck cancer cell functions and therapeutic efficacy. *Molecular oncology*, 18(2), 431.

He Y, et al. (2024) ALDH3A1 upregulation inhibits neutrophils N2 polarization and halts oral cancer growth. *Oral diseases*.

Tao ZY, et al. (2024) Lingual Denervation Improves the Efficacy of Anti-PD-1 Immunotherapy in Oral Squamous Cell Carcinomas by Downregulating TGF β Signaling. *Cancer research communications*, 4(2), 418.

Sun J, et al. (2023) F β nucleatum facilitates oral squamous cell carcinoma progression via GLUT1-driven lactate production. *EBioMedicine*, 88, 104444.

Stabile R, et al. (2023) The deleted in oral cancer (DOC1 aka CDK2AP1) tumor suppressor gene is downregulated in oral squamous cell carcinoma by multiple microRNAs. *Cell death & disease*, 14(5), 337.

Greer PFC, et al. (2022) Effects of galectin-1 inhibitor OTX008 on oral squamous cell carcinoma cells in vitro and the role of AP-1 and the MAPK/ERK pathway. *Archives of oral biology*, 134, 105335.

Li J, et al. (2020) Necroptosis in head and neck squamous cell carcinoma: characterization of clinicopathological relevance and in vitro cell model. *Cell death & disease*, 11(5), 391.

Carofino BL, et al. (2019) Head and neck squamous cancer progression is marked by CLIC4 attenuation in tumor epithelium and reciprocal stromal upregulation of miR-142-3p, a novel post-transcriptional regulator of CLIC4. *Oncotarget*, 10(68), 7251.

Carper MB, et al. (2019) An Immunocompetent Mouse Model of HPV16(+) Head and Neck Squamous Cell Carcinoma. *Cell reports*, 29(6), 1660.

Sastre-Perona A, et al. (2019) De Novo PITX1 Expression Controls Bi-Stable Transcriptional Circuits to Govern Self-Renewal and Differentiation in Squamous Cell Carcinoma. *Cell stem cell*, 24(3), 390.