

Resource Summary Report

Generated by [RRID](#) on Sep 9, 2026

UM-SCC-1

RRID:CVCL_7707

Type: Cell Line

Proper Citation

RRID:CVCL_7707

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_7707

Proper Citation: RRID:CVCL_7707

Description: Cell line UM-SCC-1 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Floor of mouth squamous cell carcinoma

Defining Citation: [PMID:1851275](#), [PMID:3855324](#), [PMID:8725545](#), [PMID:8782485](#), [PMID:12884349](#), [PMID:17312569](#), [PMID:18006756](#), [PMID:19760794](#), [PMID:21868764](#), [PMID:26754630](#), [PMID:28196595](#), [PMID:29156801](#), [PMID:30527230](#), [PMID:36912284](#)

Comments: Caution: Indicated as originating from a 60 year old patient in PubMed=3855324 and from a 72 year old in PubMed=1851275 and PubMed=18006756., Miscellaneous: The STR profile undergoes a loss of the Amelogenin Y, D8S1179 13 and FGA 22 alleles at passages >=150 (PubMed=19760794)., Population: Caucasian., Part of: MD Anderson Cell Lines Project.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: UM-SCC-1

Synonyms: UMSCC-1, UM-SCC1, UMSCC1, UM-SCC-01, SCC-1, SCC1, University of Michigan-Squamous Cell Carcinoma-1

Cross References: BTO:BTO_0003138, cancercellines:CVCL_7707, ChEMBL-Cells:ChEMBL3707167, ChEMBL-Targets:ChEMBL3707168, Cosmic:1483455, Cosmic:1530751, Cosmic:2131858, GEO:GSM3631262, IARC_TP53:21100, Millipore:SCC070, Progenetix:CVCL_7707, PubChem_Cell_line:CVCL_7707,

Wikidata:Q54990789

ID: CVCL_7707

Record Creation Time: 20220427T221656+0000

Record Last Update: 20260905T182653+0000

Ratings and Alerts

No rating or validation information has been found for UM-SCC-1.

No alerts have been found for UM-SCC-1.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Korns J, et al. (2026) Targeting PLK1 Reduces MMP10 to Enhance Radiosensitivity in HPV- Head and Neck Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(2), 405.

Naveed AB, et al. (2025) Molecular imaging predicts trastuzumab-deruxtecan (T-DXd) response in head and neck cancer xenograft models. Molecular oncology.

Ha JY, et al. (2025) Transcriptome Analysis of HNSCC by Aggregatibacter actinomycetemcomitans Extracellular Vesicles. Oral diseases, 31(4), 1165.

Sette-de-Souza PH, et al. (2025) Use of Contaminated/Misidentified Cell Lines: A Critical Concern for Oral Cancer Research. Oral diseases, 31(7), 2359.

Osborne N, et al. (2025) Avelumab induces greater Fc-Fc receptor-dependent natural killer cell activation and dendritic cell crosstalk compared to durvalumab. Oncoimmunology, 14(1), 2494995.

Grandis JR, et al. (2025) Safety and efficacy of a STAT3-targeted cyclic oligonucleotide: From murine models to a phase 1 clinical trial in pet cats with oral cancer. Cancer cell.

Bette M, et al. (2024) The Role of TGF- β 1 and Mutant SMAD4 on Epithelial-Mesenchymal Transition Features in Head and Neck Squamous Cell Carcinoma Cell Lines. Cancers, 16(18).

Kang SH, et al. (2024) Differential effect of cancer-associated fibroblast-derived extracellular vesicles on cisplatin resistance in oral squamous cell carcinoma via miR-876-

3p. Theranostics, 14(2), 460.

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.

Song PN, et al. (2024) Dual anti-HER2/EGFR inhibition synergistically increases therapeutic effects and alters tumor oxygenation in HNSCC. *Scientific reports*, 14(1), 3771.

Pifer PM, et al. (2024) FAK Drives Resistance to Therapy in HPV-Negative Head and Neck Cancer in a p53-Dependent Manner. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(1), 187.

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.

Li J, et al. (2023) Tyrosine catabolism enhances genotoxic chemotherapy by suppressing translesion DNA synthesis in epithelial ovarian cancer. *Cell metabolism*, 35(11), 2044.

Oleinik N, et al. (2023) Alterations of lipid-mediated mitophagy result in aging-dependent sensorimotor defects. *Aging cell*, 22(10), e13954.

Yu F, et al. (2023) RBM33 is a unique m6A RNA-binding protein that regulates ALKBH5 demethylase activity and substrate selectivity. *Molecular cell*, 83(12), 2003.

Nguyen HT, et al. (2023) Fanconi anemia-isogenic head and neck cancer cell line pairs: A basic and translational science resource. *International journal of cancer*, 153(1), 183.

Jacobs MT, et al. (2023) Memory-like Differentiation, Tumor-Targeting mAbs, and Chimeric Antigen Receptors Enhance Natural Killer Cell Responses to Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(20), 4196.

Chaudhary S, et al. (2021) Dual blockade of EGFR and CDK4/6 delays head and neck squamous cell carcinoma progression by inducing metabolic rewiring. *Cancer letters*, 510, 79.

Palacios-García J, et al. (2020) G-protein-coupled receptor kinase 2 safeguards epithelial phenotype in head and neck squamous cell carcinomas. *International journal of cancer*, 147(1), 218.

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.