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, cancercelllines: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.

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

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

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-??1 and Mutant SMAD4 on Epithelial-Mesenchymal Transition Features in Head and Neck Squamous Cell Carcinoma Cell Lines. Cancers, 16(18).

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.

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.

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-Garc??a 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.