

Resource Summary Report

Generated by [RRID](#) on Sep 6, 2026

CAL-27

RRID:CVCL_1107

Type: Cell Line

Proper Citation

RRID:CVCL_1107

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1107

Proper Citation: RRID:CVCL_1107

Description: Cell line CAL-27 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Tongue adenosquamous carcinoma

Defining Citation: [PMID:2145926](#), [PMID:2440566](#), [PMID:3181269](#), [PMID:19631575](#), [PMID:20014447](#), [PMID:20164919](#), [PMID:21868764](#), [PMID:22460905](#), [PMID:24201445](#), [PMID:25275298](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25888065](#), [PMID:26589293](#), [PMID:27108184](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:28476783](#), [PMID:29156801](#), [PMID:29770536](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:34977030](#), [PMID:35839778](#), [PMID:36912284](#)

Comments: Population: Caucasian., Part of: OPC-22 oral and pharyngeal cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 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: CAL-27

Synonyms: Cal-27, CAL 27, Cal 27, CAL27, Cal27, CAL-SCC-27, Centre Antoine Lacassagne-27

Cross References: BTO:BTO_0000921, CLO:CLO_0002178, CLO:CLO_0002182, EFO:EFO_0006366, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706,

ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-2095, BCRJ:0326, BioGRID_ORCS_Cell_line:336, BioSample:SAMN03471886, BioSample:SAMN10987905, cancercellines:CVCL_1107, CCRID:1101HUM-PUMC000338, CCRID:4201HUM-CCTCC00248, CCTCC:GDC0248, Cell_Model_Passport:SIDM00937, ChEMBL-Cells:ChEMBL3308098, ChEMBL-Targets:ChEMBL1075408, CLS:305029, Cosmic:686972, Cosmic:910916, Cosmic:1006469, Cosmic:1017793, Cosmic:1041674, Cosmic:1339913, Cosmic:1466800, Cosmic:1530734, Cosmic:1752762, Cosmic:2043896, Cosmic:2131842, Cosmic:2296292, Cosmic-CLP:910916, DepMap:ACH-000832, DSMZ:ACC-446, DSMZCellDive:ACC-446, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:910916, GEO:GSM422868, GEO:GSM423671, GEO:GSM886907, GEO:GSM887972, GEO:GSM1374427, GEO:GSM1374428, GEO:GSM1519074, GEO:GSM1519075, GEO:GSM1519076, GEO:GSM1669648, IARC_TP53:17482, IGRhCellID:CAL27%20GSE9585, LiGeA:CCLE_698, LINCS_LDP:LCL-1215, PharmacDB:CAL27_168_2019, PRIDE:PXD002132, PRIDE:PXD028810, PRIDE:PXD029420, PRIDE:PXD030304, Progenetix:CVCL_1107, PubChem_Cell_line:CVCL_1107, Wikidata:Q54808394

ID: CVCL_1107

Record Creation Time: 20220427T215439+0000

Record Last Update: 20260905T174513+0000

Ratings and Alerts

No rating or validation information has been found for CAL-27.

No alerts have been found for CAL-27.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 368 mentions in open access literature.

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

Wang Q, et al. (2026) Androgen Receptor Signaling Induces CD8+ T-cell Dysfunction That Is Reversed by Androgen Deprivation Therapy in Male Head and Neck Squamous Cell Carcinoma. Cancer research, 86(9), 2286.

Hoang TS, et al. (2026) Genome-wide CRISPR Screening Reveals a PKA-Driven Resistance Mechanism to Metformin for Oral Cancer Prevention That Can Be Exploited by Combination with NSAIDs. Cancer prevention research (Philadelphia, Pa.), 19(2), 79.

Tuohuti A, et al. (2026) MTHFD2-Mediated Ubiquitination and Degradation of FOXO1 Promote Tongue Squamous Cell Carcinoma Progression. Molecular cancer research : MCR, 24(4), 270.

Li M, et al. (2026) An exosome-biomimetic photothermal nanocarrier for IGF2BP2 siRNA delivery and enhanced ferroptosis in head and neck squamous cell carcinoma. *Materials today. Bio*, 37, 102999.

Zhang Y, et al. (2026) Nociceptive neurons protect cancer cells against oxidative stress. *Cell reports*, 45(3), 117086.

Li H, et al. (2026) pH/ROS-Responsive Injectable Hydrogel Co-Loaded with B7-H3 Blocker and NETs Suppressor Boosts OSCC Synergistic Immunotherapy. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(20), e15431.

Zhao W, et al. (2026) Astragaloside IV represses the immune evasion and acidic microenvironment of oral squamous cell carcinoma. *Cellular & molecular biology letters*, 31(1).

Jiang H, et al. (2026) Stiffness-related stress granules promote the metastasis of early-stage oral squamous cell carcinoma via anoikis resistance. *Cellular oncology (Dordrecht, Netherlands)*, 49(3).

Lin WW, et al. (2026) Design and Synthesis of N-Heteroacridone Derivatives and Their Ferroptosis-Inducing Activity Against Human Melanoma. *ChemMedChem*, 21(11), e202501070.

Xu W, et al. (2026) PARD6G mediates resistance to PD-1 immune checkpoint blockade in head and neck squamous cell carcinoma. *International immunopharmacology*, 184, 116949.

Du Y, et al. (2026) Maackia amurensis seed lectin inhibits oral squamous cell carcinoma tumorigenesis by suppressing N6-methyladenosine modification-mediated SRY-box transcription factor 2 expression. *The Journal of international medical research*, 54(6), 3000605261457780.

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.

Nguyen TT, et al. (2026) NN-01-195, a Novel Conjugate of HSP90 and AURKA Inhibitors, Effectively Targets Solid Tumors. *Molecular cancer therapeutics*, 25(8), 1231.

Navarro-L??rida I, et al. (2026) Loss of G??q reshapes fibroblast traits and drives tumor-stroma remodeling in oral cancer progression. *EMBO reports*, 27(10), 2639.

Capik O, et al. (2026) CCL26-Mediated Modulation of Endothelial Secretome by Hypoxia-Induced Tumor-Derived Exosomes Enhances Metastatic Progression in Head and Neck Cancer. *Head & neck*, 48(9), 2377.

Ding Z, et al. (2026) TRAPPC4 Promotes GPX4 Stability to Drive Ferroptosis Resistance and Tumor Progression in Head and Neck Squamous Cell Carcinoma. *Cancer research*, 86(14), 3436.

Thangaraj JL, et al. (2026) Improved expansion of peripheral blood and iPSC-derived natural killer cells for clinical applications. *Cell reports methods*, 6(6), 101422.

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.

Ai ZE, et al. (2026) Targeting ADAR1 p150 triggers tumor inhibition and antitumor immunity to overcome immunotherapy resistance. iScience, 29(6), 115978.

Arkfeld E, et al. (2026) Whole-cell particle-based digital twin simulations from 4D lattice light-sheet microscopy data. Cell, 189(15), 4581.