

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

HGF-1

RRID:CVCL_3710

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2014, RRID:CVCL_3710

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3710

Proper Citation: ATCC Cat# CRL-2014, RRID:CVCL_3710

Description: Cell line HGF-1 is a Finite cell line with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:8396328](#)

Comments: Senescence: Senescences at ~22 PDL (ATCC=CRL-2014)., Population: Caucasian.

Category: Finite cell line

Organism: Homo sapiens (Human)

Name: HGF-1

Synonyms: Human Gingival Fibroblast-1

Cross References: CLO:CLO_0003742, ATCC:CRL-2014, BioSample:SAMN03471276, IZSLER:BS CL 166, KCLB:22014, Wikidata:Q54887245

ID: CVCL_3710

Vendor: ATCC

Catalog Number: CRL-2014

Record Creation Time: 20220427T220427+0000

Record Last Update: 20260815T233919+0000

Ratings and Alerts

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

Warning: Discontinued: KCLB; 22014

Senescence: Senescences at ~22 PDL (ATCC=CRL-2014)., Population: Caucasian.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 117 mentions in open access literature.

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

Zhang Q, et al. (2026) Full-laser-enabled clean hierarchical structuring and multifunctional synergy for high-performance in vivo 3D-printed implants. *Materials today. Bio*, 38, 103095.

Nango H, et al. (2023) S-1-propenyl-L-cysteine suppresses lipopolysaccharide-induced expression of matrix metalloproteinase-1 through inhibition of tumor necrosis factor-?? converting enzyme-epidermal growth factor receptor axis in human gingival fibroblasts. *PloS one*, 18(4), e0284713.

Tiroch J, et al. (2023) Human Gingival Fibroblasts as a Novel Cell Model Describing the Association between Bitter Taste Thresholds and Interleukin-6 Release. *Journal of agricultural and food chemistry*, 71(13), 5314.

Staehlke S, et al. (2023) Optimized Gingiva Cell Behavior on Dental Zirconia as a Result of Atmospheric Argon Plasma Activation. *Materials (Basel, Switzerland)*, 16(12).

Badea MA, et al. (2023) Biological Response of Human Gingival Fibroblasts to Zinc-Doped Hydroxyapatite Designed for Dental Applications-An In Vitro Study. *Materials (Basel, Switzerland)*, 16(11).

Lee HJ, et al. (2023) Magnolia kobus Extract Suppresses Porphyromonas gingivalis LPS-Induced Proinflammatory Cytokine and MMP Expression in HGF-1 Cells and Regulates Osteoclastogenesis in RANKL-Stimulated RAW264.7 Cells. *Current issues in molecular biology*, 45(6), 4875.

Olek M, et al. (2023) Effect of Hypericin-Mediated Photodynamic Therapy on the Secretion of Soluble TNF Receptors by Oral Cancer Cells. *Pharmaceutics*, 15(4).

Ilie N, et al. (2023) Light Transmission Characteristics and Cytotoxicity within A Dental Composite Color Palette. *Materials (Basel, Switzerland)*, 16(10).

Salehi A, et al. (2023) Fabrication of a microfluidic device for probiotic drug's dosage screening: Precision Medicine for Breast Cancer Treatment. *Translational oncology*, 34,

101674.

Huang R, et al. (2023) Rapid synthesis of bismuth-organic frameworks as selective antimicrobial materials against microbial biofilms. *Materials today. Bio*, 18, 100507.

Ilie N, et al. (2023) Cytotoxic, Elastic-Plastic and Viscoelastic Behavior of Aged, Modern Resin-Based Dental Composites. *Bioengineering (Basel, Switzerland)*, 10(2).

Zhao T, et al. (2023) Macrophages induce gingival destruction via Piezo1-mediated MMPs-degrading collagens in periodontitis. *Frontiers in immunology*, 14, 1194662.

Zheng Y, et al. (2023) Multi-functional nanogel with cascade catalytic performance for treatment of diabetic oral mucosa ulcer. *Frontiers in bioengineering and biotechnology*, 11, 1194398.

Felimban RI, et al. (2023) Utilization of a nanostructured lipid carrier encapsulating pitavastatin-Pinus densiflora oil for enhancing cytotoxicity against the gingival carcinoma HGF-1 cell line. *Drug delivery*, 30(1), 83.

Li X, et al. (2023) Combined Black Phosphorus Nanosheets with ICG/aPDT is an Effective Anti-Inflammatory Treatment for Periodontal Disorders. *International journal of nanomedicine*, 18, 813.

Arab-Nozari M, et al. (2023) Histocompatibility of Light-Curing Composites Used in Pediatric Dentistry in Human Oral Fibroblast Cells. *Journal of dentistry (Shiraz, Iran)*, 24(1 Suppl), 112.

Jiang ES, et al. (2023) Cytotoxicity and reactive oxygen species production induced by different co-monomer eluted from nanohybrid dental composites. *BMC oral health*, 23(1), 55.

Wang SC, et al. (2022) Combined Treatment of Nitrated [6,6,6]Tricycles Derivative (SK2)/Ultraviolet C Highly Inhibits Proliferation in Oral Cancer Cells In Vitro. *Biomedicines*, 10(5).

Kongkadee K, et al. (2022) Anti-inflammation and gingival wound healing activities of Cannabis sativa L. subsp. sativa (hemp) extract and cannabidiol: An in vitro study. *Archives of oral biology*, 140, 105464.

Staehlke S, et al. (2022) Laser Structured Dental Zirconium for Soft Tissue Cell Occupation-Importance of Wettability Modulation. *Materials (Basel, Switzerland)*, 15(3).