Resource Summary Report

Generated by dkNET on Aug 15, 2026

HaCaT

RRID:CVCL_0038
Type: Cell Line

Proper Citation

RRID:CVCL_0038

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0038

Proper Citation: RRID:CVCL_0038

Description: Cell line HaCaT is a Spontaneously immortalized cell line with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: PMID:2450098, PMID:8162337, PMID:8504475, PMID:9290701, PMID:9406811, PMID:10350023, PMID:10523843, PMID:11416159, PMID:11583982, PMID:15389883, PMID:16957166, PMID:20097197, PMID:20100199, PMID:21185708, PMID:21269460, PMID:21868764, PMID:24155234, PMID:26989177, PMID:29468137, PMID:29660373, PMID:31629070, PMID:32938951, PMID:33718544, PMID:35072517, PMID:35647242

Comments: Caution: Although HaCaT is distributed by a number of sources, the only official DKFZ-approved supplier is CLS., Virology: Susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Population: Caucasian., Part of: Human Protein Atlas, Cell Atlas panel.

Category: Spontaneously immortalized cell line

Organism: Homo sapiens (Human)

Name: HaCaT

Synonyms: HaCAT, HACAT, Hacat

Cross References: BTO:BTO_0000552, EFO:EFO_0002056, CLDB:cl7229, AddexBio:T0020001/117, BCRJ:0341, CCRID:1101HUM-PUMC000373, CCRID:4201HUM-CCTCC00106, CCTCC:GDC0106, ChEMBL-Cells:CHEMBL3308509, ChEMBL-Targets:CHEMBL614392, CLS:300493, Cosmic:1530737, DSMZ:ACC-771,

DSMZCellDive:ACC-771, GEO:GSE57080, GEO:GSM913344, GEO:GSM913345, GEO:GSM960278, GEO:GSM960279, GEO:GSM960280, GEO:GSM960286, GEO:GSM960287, GEO:GSM960288, GEO:GSM960294, GEO:GSM960295, GEO:GSM960296, GEO:GSM1375594, GEO:GSM1375595, GEO:GSM1375596, GEO:GSM1375597, GEO:GSM1375598, GEO:GSM1375599, GEO:GSM1375600, GEO:GSM1375601, GEO:GSM1375602, GEO:GSM1375603, GEO:GSM1375604, GEO:GSM1375605, GEO:GSM1861816, GEO:GSM1861817, GEO:GSM1861820, GEO:GSM1861821, GEO:GSM2112559, GEO:GSM2112563, GEO:GSM2495796, GEO:GSM2495797, GEO:GSM2495798, GEO:GSM7701420, GEO:GSM7701421, IARC_TP53:1820, ICLC:HL14001, IZSLER:BS CL 168, KCB:KCB 200442YJ, Lonza:56, MeSH:D000084282, MetaboLights:MTBLS127, PRIDE:PXD000496, PRIDE:PXD000670, PRIDE:PXD002460, PRIDE:PXD007789, PRIDE:PXD013113, PRIDE:PXD017536, PRIDE:PXD030700, PRIDE:PXD033538, PubChem_Cell_line:CVCL_0038, TOKU-E:3890, Ubigene:YC-A018, Wikidata:Q5636366

ID: CVCL_0038

Record Creation Time: 20220427T220226+0000

Record Last Update: 20260809T000546+0000

Ratings and Alerts

No rating or validation information has been found for HaCaT.

Warning: Discontinued: BCRJ; 0341
Caution: Although HaCaT is distributed by a number of sources, the only official DKFZ-approved supplier is CLS., Virology: Susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Population: Caucasian., Part of: Human Protein Atlas, Cell Atlas panel. Warning: Discontinued: ICLC; HL14001
Caution: Although HaCaT is distributed by a number of sources, the only official DKFZ-approved supplier is CLS., Virology: Susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Population: Caucasian., Part of: Human Protein Atlas, Cell Atlas panel. Warning: Discontinued: DSMZ; ACC-771
Caution: Although HaCaT is distributed by a number of sources, the only official DKFZ-approved supplier is CLS., Virology: Susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Population: Caucasian., Part of: Human Protein Atlas, Cell Atlas panel.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 6183 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Herrera MA, et al. (2026) Mitochondrial fatty acid oxidation is stimulated by red light irradiation. FEBS letters, 600(1), 20.

Chaki Borr??s ML, et al. (2026) Theranostic Nonstoichiometric, Multivalent Bismuth (Bi)-Based Nanospheres for Selective Spontaneous Melanoma Treatment. ACS applied materials & interfaces, 18(1), 780.

Cocc?? V, et al. (2026) Secretome From Human Micro-Fragmented Adipose Tissue Affects In Vitro Monocytes/Macrophages Inflammatory Activity by ICAM-1 Expression. Mediators of inflammation, 2026(1), e9475320.

Liu Y, et al. (2026) Advanced glycation end products promote Porphyromonas gingivalis dissemination via an ROS-dependent, inflammation-independent mechanism. Cell reports, 45(4), 117252.

Kim HM, et al. (2026) Topical Trichosanthis Radix Water Extract Attenuates Atopic Dermatitis-Like Skin Inflammation: Marker Standardization, Network Pharmacology, and Preclinical Validation. Mediators of inflammation, 2026(1), e8744885.

Pyun WY, et al. (2026) Nutrient Availability Dictates Cancer Metabolism-Based Therapeutic Responses to Nononcology Drugs. Cancer research, 86(5), 1194.

Jin J, et al. (2026) Synergistic Anti-Cancer Therapy Through Ultrasound-Induced Piezocatalytic Therapy and Tumor Treatment Fields. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(2), e11604.

Liu X, et al. (2026) Keratinocyte transport of notoginsenoside R1 via ABCG2: A novel mechanism for RNA N6-methyladenosine modification in UVB induced skin sunburn injury. Drug metabolism and disposition: the biological fate of chemicals, 54(3), 100252.

Wang N, et al. (2026) USP16 drives psoriasis progression by deubiquitinating and stabilizing NLRP3 in keratinocytes. JCI insight, 11(5).

Mondal S, et al. (2026) G-quartet driven adaptive hydrogels that integrate constitutional dynamics for antibacterial action and tissue repair. iScience, 29(6), 116107.

Jiang M, et al. (2026) Adipose Stem Cell-Derived Apoptotic Vesicles Attenuate Hypertrophic Scarring by Targeting the CDC20/WNT Signaling Pathway. Biomedicines, 14(5).

Massenberg A, et al. (2026) A rapid transfer of virions coated with heparan sulfate from the ECM to CD151 defines an early step in the human papillomavirus infection cascade. eLife, 14.

Chen L, et al. (2026) Tyrosine kinase 2 inhibition by GL-V9 treats psoriasiform dermatitis via macrophage-helper T-cell modulation. British journal of pharmacology.

Costa S, et al. (2026) A Novel Microfluidic System for 3D Epidermis and Full-Thickness Skin Growth for Nanoparticle Safety Assessment. Advanced healthcare materials, 15(6), e02518.

Zeng Y, et al. (2026) ADSC-derived exosomes deliver cerium oxide nanoparticles to promote diabetic wound healing via anti-inflammatory and pro-angiogenic effects. iScience, 29(2), 114560.

Xu C, et al. (2026) HOMER3 drives oral squamous cell carcinoma progression through TRPV6 calcium influx and TUBB3 microtubule stabilization. Oncogene, 45(2), 278.

Bex J, et al. (2026) Basophils drive the resolution and promote wound healing in adult and aged mice. The Journal of experimental medicine, 223(5).

Lan L, et al. (2026) Oxidative Stress and Hormone-Regulated Dermal Papilla Cell-Targeted Nanomodulators: Reverse Cellular Senescence for Androgenetic Alopecia Therapy. Biomaterials research, 30, 0333.

Cruz A, et al. (2026) Targeting TNBC: core-shell polycationic polyurea dendrimers with inherent anticancer activity. FEBS open bio, 16(5), 944.

Zhou Y, et al. (2026) Distinct Regulation of the ARF and TAp73 Tumor Suppressor Genes by the Transcription Factor E2F1 Enables Discrimination of Cancer Cells from Normal Growing Cells. Cells, 15(1).