Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

HeLa

RRID:CVCL_0030
Type: Cell Line

Proper Citation

(DSMZ Cat# ACC-57, RRID:CVCL_0030)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0030

Proper Citation: (DSMZ Cat# ACC-57, RRID:CVCL_0030)

Sex: Female

Defining Citation: PMID:77569, PMID:1246620, PMID:1522048, PMID:2983228, PMID:2990217, PMID:3028716, PMID:3180844, PMID:3371749, PMID:3518877, PMID:4942173, PMID:5668122, PMID:6256643, PMID:6358339, PMID:6401685, PMID:6825208, PMID:6935474, PMID:8380785, PMID:9892199, PMID:10423141, PMID:11416159, PMID:11668190, PMID:12001993, PMID:12661003, PMID:12793746, PMID:13052828, PMID:13207312, PMID:13261081, PMID:14031339, PMID:14185313, PMID:15302935, PMID:15531914, PMID:15901131, PMID:16589695, PMID:17311676, PMID:19450234, PMID:19722756, PMID:19941903, PMID:21269460, PMID:21937730, PMID:22068331, PMID:22278370, PMID:22412903, PMID:23205564, PMID:23336012, PMID:23925224, PMID:23925245, PMID:24134916, PMID:24618588, PMID:24696503, PMID:24908793, PMID:25485619, PMID:25807930, PMID:25877200, PMID:25894527, PMID:25960936, PMID:26554430, PMID:26589293, PMID:27397505, PMID:28078501, PMID:28196595, PMID:28261610, PMID:28601559, PMID:29156801, PMID:30175587, PMID:30778230, PMID:30787054, PMID:30894373, PMID:31068700, PMID:31433507, PMID:31790455, PMID:33389257, PMID:35198691, PMID:35839778, PMID:37543987

Comments: Miscellaneous: HeLa is the most frequent contributor to cell lines contamination., Anecdotal: Was flown since the 1960s on at least ten different space missions: Korabl-Sputnik-2, Vostok-1, Vostok-4, Vostok-5 and Vostok-6, Voshkod 1 and Zond-5, Discoverer XVIII, Progress M-35/Mir and Shuttle STS-89., Anecdotal: The HeLa cell line and its story inspired Australian artist Cynthia Verspaget to embark in 2003 on a artistic project 'The Anarchy Cell Line' (TAnCL) where she mixed her blood with HeLa cells. This work later spawned a PhD thesis (CelloPub=CLPUB00376) where among other things she makes the observation that two main taxonomical distinctions present in the zombie, living/dead and human/nonhuman, are also present in the HeLa cell line., Anecdotal: The

fascinating story of the HeLa cell line and of Henrietta Lacks from whom these cells originate are described in the book of Rebecca Skloot (CelloPub=CLPUB00377)., Anecdotal: The HeLa cell line which was established in February 1951 is the oldest human immortal cell line., Omics: Virome analysis using proteomics., Omics: Transcriptome analysis by single cell RNAseq., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Secretome proteome analysis by 2D-DE/MS., Omics: Protein expression by reverse-phase protein arrays., Omics: Myristoylated proteins analysis by proteomics., Omics: Glycoproteome analysis by proteomics., Omics: Genome sequenced., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep phosphoproteome analysis., Omics: Deep membrane proteome analysis., Omics: Deep exome analysis., Omics: Deep antibody staining analysis., Omics: CNV analysis., Omics: Cell surface proteome., Virology: Not susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257)., Virology: HeLa has 5 five HPV18 integration sites: three on normal chromosomes 8 at 8q24 and two on derivative chromosomes, der(5)t(5;22;8)(q11;q11q13;q24) and der(22)t(8;22) (q24;q13)., Population: African American., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Group: Space-flown cell line (cellonaut).

Category: Cancer cell line

Name: HeLa

Synonyms: HELA, Hela, He La, He-La, HeLa-CCL2, Henrietta Lacks cells, Helacyton gartleri

Cross References: BTO:BTO_0000567, CLO:CLO_0003684, CLO:CLO_0050910, EFO:EFO_0001185, MCCL:MCC:0000219, CLDB:cl1594, CLDB:cl1595, CLDB:cl1596, CLDB:cl1597, CLDB:cl1599, CLDB:cl1600, CLDB:cl1601, CLDB:cl1603, Abcam:ab255448, Abcam:ab255928, Abcam:ab260075, Abcam:ab271142, Abcam:ab275466, AddexBio:C0008001/44, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-3610, ATCC:CCL-2, ATCC:CRM-CCL-2, ATCC:CRL-7923, BCRC:60005, BCRJ:0100, BEI_Resources:ARP-153, BioGRID_ORCS_Cell_line:95, BioSample:SAMN03471148, BioSample:SAMN03472333, BioSample:SAMN10989629, cancercelllines:CVCL_0030, CCLV:CCLV-RIE 0082, CCRID:1101HUM-PUMC000011, CCRID:1101HUM-PUMC000332, CCRID:1102HUM-NIFDC00057, CCRID:3101HUMSCSP504, CCRID:3101HUMTCHu187, CCRID:4201HUM-CCTCC00009, CCRID:5301HUM-KCB90024YJ, CCTCC:GDC0009, Cell_Model_Passport:SIDM00846, ChEMBL-Cells:CHEMBL3308376, ChEMBL-Targets:CHEMBL399, CLS:300194, Cosmic:760219, Cosmic:760490, Cosmic:801357, Cosmic:809231, Cosmic:877477, Cosmic:911999, Cosmic:925354, Cosmic:928907, Cosmic:944113, Cosmic:1019309, Cosmic:1057766, Cosmic:1071911, Cosmic:1131525, Cosmic:1193029, Cosmic:1201779, Cosmic:1324208, Cosmic:1336880, Cosmic:1571796, Cosmic:2301539, Cosmic:2660190, Cosmic:2750874, Cosmic:2791019, Cosmic:2816214, Cosmic-CLP:1298134, DepMap:ACH-001086, DSMZ:ACC-57, DSMZCellDive:ACC-57, ECACC:93021013, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:phs000640,

FCS-free:44-2-47-1-8-9, GDSC:1298134, GEO:GSM113863, GEO:GSM226739, GEO:GSM226875, GEO:GSM253298, GEO:GSM436128, GEO:GSM436129, GEO:GSM501788, GEO:GSM722574, GEO:GSM722575, GEO:GSM723055, GEO:GSM723056, GEO:GSM1088663, GEO:GSM1088664, GEO:GSM1088665, GEO:GSM1088666, GEO:GSM1374528, GEO:GSM1669875, GEO:GSM1881473, GEO:GSM1881474, GEO:GSM1881475, ICLC:HTL95023, IGRhCellID:HeLA, IZSLER:BS TCL 20, JCRB:JCRB9004, KCB:KCB 86019YJ, KCB:KCB 90024YJ, KCLB:10002, LINCS_HMS:50061, LINCS_LDP:LCL-1512, Lonza:51, MeSH:D006367, NCBI_Iran:C115, PharmacoDB:HeLa_536_2019, PRIDE:PRD000007, PRIDE:PRD000032, PRIDE:PRD000123, PRIDE:PRD000124, PRIDE:PRD000345, PRIDE:PRD000376, PRIDE:PRD000525, PRIDE:PRD000526, PRIDE:PRD000527, PRIDE:PXD000013, PRIDE:PXD000243, PRIDE:PXD000252, PRIDE:PXD000279, PRIDE:PXD000396, PRIDE:PXD000474, PRIDE:PXD000589, PRIDE:PXD000661, PRIDE:PXD000680, PRIDE:PXD000759, PRIDE:PXD000883, PRIDE:PXD000895, PRIDE:PXD000900, PRIDE:PXD000953, PRIDE:PXD000954, PRIDE:PXD000999, PRIDE:PXD001047, PRIDE:PXD001118, PRIDE:PXD001154, PRIDE:PXD001175, PRIDE:PXD001249, PRIDE:PXD001258, PRIDE:PXD001259, PRIDE:PXD001278, PRIDE:PXD001305, PRIDE:PXD001374, PRIDE:PXD001381, PRIDE:PXD001396, PRIDE:PXD001441, PRIDE:PXD001541, PRIDE:PXD001548, PRIDE:PXD001574, PRIDE:PXD001660, PRIDE:PXD001781, PRIDE:PXD001798, PRIDE:PXD001805, PRIDE:PXD001806, PRIDE:PXD001810, PRIDE:PXD001863, PRIDE:PXD001907, PRIDE:PXD002001, PRIDE:PXD002039, PRIDE:PXD002066, PRIDE:PXD002252, PRIDE:PXD002277, PRIDE:PXD002378, PRIDE:PXD002383, PRIDE:PXD002395, PRIDE:PXD002572, PRIDE:PXD002591, PRIDE:PXD002704, PRIDE:PXD002844, PRIDE:PXD002880, PRIDE:PXD003186, PRIDE:PXD003209, PRIDE:PXD003258, PRIDE:PXD003370, PRIDE:PXD003503, PRIDE:PXD003530, PRIDE:PXD003560, PRIDE:PXD003792, PRIDE:PXD003813, PRIDE:PXD003909, PRIDE:PXD003913, PRIDE:PXD003917, PRIDE:PXD003924, PRIDE:PXD004182, PRIDE:PXD004271, PRIDE:PXD004273, PRIDE:PXD004452, PRIDE:PXD004613, PRIDE:PXD004736, PRIDE:PXD004900, PRIDE:PXD004914, PRIDE:PXD004933, PRIDE:PXD004934, PRIDE:PXD004940, PRIDE:PXD004995, PRIDE:PXD005018, PRIDE:PXD005107, PRIDE:PXD005181, PRIDE:PXD005346, PRIDE:PXD005349, PRIDE:PXD005366, PRIDE:PXD005466, PRIDE:PXD005509, PRIDE:PXD005572, PRIDE:PXD005712, PRIDE:PXD005955, PRIDE:PXD006112, PRIDE:PXD006293, PRIDE:PXD012045, PRIDE:PXD012188, PRIDE:PXD013064, PRIDE:PXD023271, PRIDE:PXD023835, PRIDE:PXD027504, PRIDE:PXD029773, PRIDE:PXD030304, Progenetix:CVCL_0030, PubChem_Cell_line:CVCL_0030, RCB:RCB0007, RCB:RCB3680, SKY/M-FISH/CGH:5351, TKG:TKG 0331, TOKU-E:1434, Ubigene:YC-A012, Wikidata:Q847482

ID: CVCL_0030

Vendor: DSMZ

Catalog Number: ACC-57

Record Creation Time: 20250131T200356+0000

Record Last Update: 20250131T201613+0000

Ratings and Alerts

No rating or validation information has been found for HeLa.

Warning: Discontinued: ATCC; CRL-7923
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Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 38654 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Mao S, et al. (2025) Serinc2 antagonizes pressure overload-induced cardiac hypertrophy via regulating the amino acid/mTORC1 signaling pathway. Biochimica et biophysica acta. Molecular basis of disease, 1871(3), 167650.

Wright SS, et al. (2025) Transplantation of gasdermin pores by extracellular vesicles propagates pyroptosis to bystander cells. Cell, 188(2), 280.

Wang Q, et al. (2025) The nanoscale organization of the Nipah virus fusion protein informs new membrane fusion mechanisms. eLife, 13.

Baum R, et al. (2025) A truncated isoform of Connexin43 caps actin to organize forward delivery of full-length Connexin43. The Journal of cell biology, 224(3).

Peng Q, et al. (2024) Profiling nuclear cysteine ligandability and effects on nuclear localization using proximity labeling-coupled chemoproteomics. Cell chemical biology, 31(3), 550.

Ganser LR, et al. (2024) The roles of FUS-RNA binding domain and low complexity domain in RNA-dependent phase separation. Structure (London, England : 1993), 32(2), 177.

Yang M, et al. (2024) Investigation of the mixed origins of the MGC-803 cell line reveals that it is a hybrid cell line derived from HeLa. Human cell, 37(2), 560.

Malla A, et al. (2024) Inhibition of lactate dehydrogenase A by diclofenac sodium induces apoptosis in HeLa cells through activation of AMPK. The FEBS journal, 291(16), 3628.

Yang Y, et al. (2024) WW domains form a folded type of nuclear localization signal to guide YAP1 nuclear import. The Journal of cell biology, 223(6).

Albanese M, et al. (2024) Receptor transfer between immune cells by autoantibody-enhanced, CD32-driven trogocytosis is hijacked by HIV-1 to infect resting CD4 T cells. Cell reports. Medicine, 5(4), 101483.

Wang L, et al. (2024) MOF-mediated acetylation of UHRF1 enhances UHRF1 E3 ligase activity to facilitate DNA methylation maintenance. Cell reports, 43(3), 113908.

Szczesna M, et al. (2024) Bacterial esterases reverse lipopolysaccharide ubiquitylation to block host immunity. Cell host & microbe, 32(6), 913.

Kelly G, et al. (2024) Suppressed basal mitophagy drives cellular aging phenotypes that can be reversed by a p62-targeting small molecule. Developmental cell, 59(15), 1924.

Ku J, et al. (2024) Alternative polyadenylation determines the functional landscape of inverted Alu repeats. Molecular cell.

Khan M, et al. (2024) MATR3 pathogenic variants differentially impair its cryptic splicing

repression function. FEBS letters, 598(4), 415.

Guo X, et al. (2024) The Zn2+ transporter ZIP7 enhances endoplasmic-reticulum-associated protein degradation and prevents neurodegeneration in Drosophila. Developmental cell, 59(13), 1655.

Zheng C, et al. (2024) Arrestin-3 binds parkin and enhances parkin-dependent mitophagy. Journal of neurochemistry.

Russo M, et al. (2024) Acetyl-CoA production by Mediator-bound 2-ketoacid dehydrogenases boosts de novo histone acetylation and is regulated by nitric oxide. Molecular cell, 84(5), 967.

Collin V, et al. (2024) The immediate-early protein 1 of human herpesvirus 6B interacts with NBS1 and inhibits ATM signaling. EMBO reports, 25(2), 725.

Morel M, et al. (2024) FBXL16 promotes cell growth and drug resistance in lung adenocarcinomas with KRAS mutation by stabilizing IRS1 and upregulating IRS1/AKT signaling. Molecular oncology, 18(3), 762.