Resource Summary Report

Generated by RRID on May 23, 2025

HCT 15

RRID:CVCL_0292
Type: Cell Line

Proper Citation

(RRID:CVCL_0292)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0292

Proper Citation: (RRID:CVCL_0292)

Sex: Male

Defining Citation: PMID:427742, PMID:2041050, PMID:7139607, PMID:7247963, PMID:7621404, PMID:7972006, PMID:8197130, PMID:8464898, PMID:9000147, PMID:9000572, PMID:9809040, PMID:10700174, PMID:10737795, PMID:11314036, PMID:11414198, PMID:11416159, PMID:11526487, PMID:11668190, PMID:12584437, PMID:15748285, PMID:15900046, PMID:16854228, PMID:17088437, PMID:18167186, PMID:19372543, PMID:20164919, PMID:20215515, PMID:20570890, PMID:20606684, PMID:22068913, PMID:22336246, PMID:22347499, PMID:22384151, PMID:22460905, PMID:22628656, PMID:23856246, PMID:23933261, PMID:24042735, PMID:24279929, PMID:24670534, PMID:24755471, PMID:25485619, PMID:25877200, PMID:25926053, PMID:25944804, PMID:26169745, PMID:26537799, PMID:26589293, PMID:27377824, PMID:27397505, PMID:27807467, PMID:28179481, PMID:28192450, PMID:28196595, PMID:28683746, PMID:28854368, PMID:29444439, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31978347, PMID:35839778

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: N-glycan profiling., Omics: miRNA expression profiling., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: Fluorescence phenotype profiling., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep quantitative phosphoproteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CRISPR phenotypic screen., Omics: CNV analysis., Omics: Array-based CGH., Population: Caucasian., Part of: RAS genetic alteration cell panel (ATCC TCP-1031)., Part of: PI3K genetic alteration cell panel (ATCC TCP-1028)., Part of: NCI-60 cancer cell line panel., Part of: NCI RAS program mutant KRAS cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JFCR39

cancer 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

Name: HCT 15

Synonyms: HCT-15, HCT.15, HCT15

Cross References: BTO:BTO_0002201, CLO:CLO_0003666, EFO:EFO_0002188, MCCL:MCC:0000182, CLDB:cl1576, CLDB:cl4985, AddexBio:C0009010/381, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CCL-225, BCRC:60539, BioGRID_ORCS_Cell_line:868, BioSample:SAMN01821556, BioSample:SAMN01821630, BioSample:SAMN03471553, BioSample:SAMN10987770, cancercelllines:CVCL_0292, CCRID:1101HUM-PUMC000247, CCRID:3101HUMTCHu133, CCRID:4201HUM-CCTCC00250, CCTCC:GDC0250, Cell_Model_Passport:SIDM00789, ChEMBL-Cells:CHEMBL3307945, ChEMBL-Targets:CHEMBL612263, CLS:300229, ColonAtlas:HCT15, Cosmic:711261, Cosmic:873700, Cosmic:875902, Cosmic:887222, Cosmic:897458, Cosmic:905007, Cosmic:905937, Cosmic:913889, Cosmic:934567, Cosmic:947354, Cosmic:995403, Cosmic:1044258, Cosmic:1057756, Cosmic:1066206, Cosmic:1092601, Cosmic:1122324, Cosmic:1132569, Cosmic:1175841, Cosmic:1184092, Cosmic:1187307, Cosmic:1218878, Cosmic:1305354, Cosmic:1310950, Cosmic:1312338, Cosmic:1436020, Cosmic:1466814, Cosmic:1479592, Cosmic:1526922, Cosmic:1609492, Cosmic:1676747, Cosmic:1708403, Cosmic:1995438, Cosmic:1998443, Cosmic:2036655, Cosmic:2156942, Cosmic:2301979, Cosmic:2664053, Cosmic:2727470, Cosmic:2760066, Cosmic:2800585, Cosmic:2811051, Cosmic-CLP:905937, DepMap:ACH-000997, DSMZ:ACC-357, DSMZCellDive:ACC-357, ECACC:91030712, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, GDSC:905937, GEO:GSM2129, GEO:GSM50189, GEO:GSM50253, GEO:GSM206502, GEO:GSM274763, GEO:GSM274764, GEO:GSM481406, GEO:GSM513816, GEO:GSM514293, GEO:GSM741257, GEO:GSM743444, GEO:GSM750792, GEO:GSM784011, GEO:GSM799332, GEO:GSM799395, GEO:GSM846356, GEO:GSM844554, GEO:GSM887063, GEO:GSM888133, GEO:GSM1153402, GEO:GSM1178151, GEO:GSM1178152, GEO:GSM1178153, GEO:GSM1181251, GEO:GSM1181363, GEO:GSM1346875, GEO:GSM1374519, GEO:GSM1374520, GEO:GSM1374521, GEO:GSM1374522, GEO:GSM1448178, GEO:GSM1669869, GEO:GSM2124665, GEO:GSM2550002, IARC_TP53:21114, ICLC:HTL00001, IGRhCellID:HCT15, KCB:KCB 2011097YJ, KCLB:10225, LiGeA:CCLE_761, LINCS_LDP:LCL-1178, Lonza:492, MetaboLights:MTBLS227, NCI-DTP:HCT-15, PharmacoDB:HCT15_518_2019, PRIDE:PXD005235, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD030304, Progenetix:CVCL_0292, PubChem_Cell_line:CVCL_0292, RCB:RCB1958, SKY/M-FISH/CGH:2786, TKG:TKG 0504, TOKU-E:1423, Wikidata:Q54882006

ID: CVCL_0292

Record Creation Time: 20250131T200328+0000

Record Last Update: 20250131T201532+0000

Ratings and Alerts

No rating or validation information has been found for HCT 15.

Warning: Discontinued: RCB; RCB1958
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: N-glycan profiling., Omics: miRNA expression profiling., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: Fluorescence phenotype profiling., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep quantitative phosphoproteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CRISPR phenotypic screen., Omics: CNV analysis., Omics: Array-based CGH., Population: Caucasian., Part of: RAS genetic alteration cell panel (ATCC TCP-1031)., Part of: PI3K genetic alteration cell panel (ATCC TCP-1028)., Part of: NCI-60 cancer cell line panel., Part of: NCI RAS program mutant KRAS cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JFCR39 cancer cell line panel., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 907 mentions in open access literature.

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

Champagne J, et al. (2025) Adoptive T cell therapy targeting an inducible and broadly shared product of aberrant mRNA translation. Immunity, 58(1), 247.

Liao TT, et al. (2024) Hypoxia-Induced Long Noncoding RNA HIF1A-AS2 Regulates Stability of MHC Class I Protein in Head and Neck Cancer. Cancer immunology research, 12(10), 1468.

Kunkel MW, et al. (2024) HTS384 NCI60: The Next Phase of the NCI60 Screen. Cancer research, 84(15), 2403.

Jacob J, et al. (2024) Antibody-Drug Conjugates Targeting the EGFR Ligand Epiregulin Elicit Robust Anti-Tumor Activity in Colorectal Cancer. bioRxiv : the preprint server for biology.

Shin Y, et al. (2024) MMP-9-dependent proteolysis of the histone H3 N-terminal tail: a critical

epigenetic step in driving oncogenic transcription and colon tumorigenesis. Molecular oncology, 18(8), 2001.

Teng HW, et al. (2024) CT45A1-mediated MLC2 (MYL9) phosphorylation promotes natural killer cell resistance and outer cell fate in a cell-in-cell structure, potentiating the progression of microsatellite instability-high colorectal cancer. Molecular oncology.

Kamynina M, et al. (2024) Forced Overexpression and Knockout Analysis of SLC30A and SLC39A Family Genes Suggests Their Involvement in Establishing Resistance to Cisplatin in Human Cancer Cells. International journal of molecular sciences, 25(22).

Lee CJ, et al. (2024) The dysadherin/MMP9 axis modifies the extracellular matrix to accelerate colorectal cancer progression. Nature communications, 15(1), 10422.

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Itan M, et al. (2024) Eosinophils exhibit a unique transcriptional signature and increased sensitivity to IL-3-induced activation in response to colorectal cancer cells. Journal of leukocyte biology, 116(2), 424.

Miller AL, et al. (2023) DAB2IP Is a Bifunctional Tumor Suppressor That Regulates Wild-Type RAS and Inflammatory Cascades in KRAS Mutant Colon Cancer. Cancer research, 83(11), 1800.

Weng W, et al. (2023) AMT-562, a Novel HER3-targeting Antibody-Drug Conjugate, Demonstrates a Potential to Broaden Therapeutic Opportunities for HER3-expressing Tumors. Molecular cancer therapeutics, 22(9), 1013.

Chandel S, et al. (2023) Role of ST6GAL1 and ST6GAL2 in subversion of cellular signaling during enteroaggregative Escherichia coli infection of human intestinal epithelial cell lines. Applied microbiology and biotechnology, 107(4), 1405.

Heo CS, et al. (2023) Pyrrole-Containing Alkaloids from a Marine-Derived Actinobacterium Streptomyces zhaozhouensis and Their Antimicrobial and Cytotoxic Activities. Marine drugs, 21(3).

Shaiken TE, et al. (2023) Transcriptome, proteome, and protein synthesis within the intracellular cytomatrix. iScience, 26(2), 105965.

Rosenberger G, et al. (2023) Network-based elucidation of colon cancer drug resistance by phosphoproteomic time-series analysis. bioRxiv : the preprint server for biology.

Kang M, et al. (2023) Targeting BAP1 with small compound inhibitor for colon cancer treatment. Scientific reports, 13(1), 2264.

Kaida T, et al. (2023) Less demand on stem cell marker-positive cancer cells may characterize metastasis of colon cancer. PloS one, 18(4), e0277395.

Lee H, et al. (2023) Oncogenic Impact of TONSL, a Homologous Recombination Repair Protein at the Replication Fork, in Cancer Stem Cells. International journal of molecular sciences, 24(11).

Wei W, et al. (2023) METTL16 promotes glycolytic metabolism reprogramming and colorectal cancer progression. Journal of experimental & clinical cancer research : CR, 42(1), 151.