

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

Hep-G2

RRID:CVCL_0027

Type: Cell Line

Proper Citation

RRID:CVCL_0027

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0027

Proper Citation: RRID:CVCL_0027

Description: Cell line Hep-G2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Hepatoblastoma

Defining Citation: [PMID:233137](#), [PMID:2439335](#), [PMID:6248960](#), [PMID:6288577](#), [PMID:7972006](#), [PMID:8050184](#), [PMID:8224613](#), [PMID:8384076](#), [PMID:8389256](#), [PMID:8835345](#), [PMID:9178645](#), [PMID:9359923](#), [PMID:11050057](#), [PMID:11416159](#), [PMID:11981770](#), [PMID:12029633](#), [PMID:12068308](#), [PMID:14980111](#), [PMID:15767549](#), [PMID:16181800](#), [PMID:16935386](#), [PMID:16957166](#), [PMID:17254797](#), [PMID:19215227](#), [PMID:19751877](#), [PMID:20069059](#), [PMID:20215515](#), [PMID:20228232](#), [PMID:20937217](#), [PMID:21269460](#), [PMID:22278370](#), [PMID:22460905](#), [PMID:23325432](#), [PMID:23505090](#), [PMID:23887712](#), [PMID:24116068](#), [PMID:24618588](#), [PMID:25485619](#), [PMID:25574106](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26160117](#), [PMID:26589293](#), [PMID:26825538](#), [PMID:27027780](#), [PMID:27329724](#), [PMID:27470094](#), [PMID:28196595](#), [PMID:29610054](#), [PMID:29660373](#), [PMID:30629668](#), [PMID:30864654](#), [PMID:30894373](#), [PMID:31063779](#), [PMID:31068700](#), [PMID:31378681](#), [PMID:31395879](#), [PMID:31561354](#), [PMID:31978347](#), [PMID:32471280](#), [PMID:32899426](#), [PMID:34320349](#)

Comments: Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: MD Anderson Cell Lines Project., Part of: Liver Cancer Model Repository (LIMORE)., Part of: JFCR45 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 1., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877).., Group: Patented cell line.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: Hep-G2

Synonyms: HEP-G2, Hep G2, HEP G2, HepG2, HEPG2

Cross References: BTO:BTO_0000599, CLO:CLO_0003704, CLO:CLO_0003713, CLO:CLO_0050856, CLO:CLO_0050858, EFO:EFO_0001187, MCCL:MCC:0000222, CLDB:cl1635, CLDB:cl1636, CLDB:cl1637, CLDB:cl1638, CLDB:cl1639, CLDB:cl1641, CLDB:cl1642, CLDB:cl1643, CLDB:cl1644, CLDB:cl4910, Abcam:ab257304, Abcam:ab275467, AddexBio:C0015002/46, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-6919, ATCC:HB-8065, BCRC:60025, BCRJ:0103, BioGRID_ORCS_Cell_line:809, BioSample:SAMN01821557, BioSample:SAMN01821681, BioSample:SAMN03472183, BioSample:SAMN10988201, cancercellines:CVCL_0027, CCRID:1101HUM-PUMC000035, CCRID:3101HUMSCSP510, CCRID:3101HUMTCHu72, CCRID:4201HUM-CCTCC00024, CCRID:5301HUM-KCB05007YJ, CCTCC:GDC0024, Cell_Model_Passport:SIDM00904, CGH-DB:9068-4, ChEMBL-Cells:ChEMBL3307718, ChEMBL-Targets:ChEMBL395, CLS:300198, Cosmic:690746, Cosmic:724821, Cosmic:852774, Cosmic:869169, Cosmic:869298, Cosmic:871510, Cosmic:873392, Cosmic:873713, Cosmic:928138, Cosmic:932989, Cosmic:934550, Cosmic:945158, Cosmic:948062, Cosmic:979732, Cosmic:999850, Cosmic:1060080, Cosmic:1187331, Cosmic:1351511, Cosmic:1499246, Cosmic:1518227, Cosmic:1628386, Cosmic:2162525, Cosmic:2301556, Cosmic:2321029, Cosmic:2560244, Cosmic:2668285, Cosmic:2674233, Cosmic:2773180, DepMap:ACH-000739, DSMZ:ACC-180, DSMZCellDive:ACC-180, ECACC:85011430, EGA:EGAS00001000610, ENCODE:ENCBS002KIX, ENCODE:ENCBS005KKO, ENCODE:ENCBS005NKZ, ENCODE:ENCBS006INV, ENCODE:ENCBS009AVS, ENCODE:ENCBS011BYX, ENCODE:ENCBS011NDE, ENCODE:ENCBS012DTZ, ENCODE:ENCBS013LLU, ENCODE:ENCBS015PAC, ENCODE:ENCBS016WDR, ENCODE:ENCBS017VYZ, ENCODE:ENCBS018BAD, ENCODE:ENCBS018WXY, ENCODE:ENCBS019LAC, ENCODE:ENCBS019QTJ, ENCODE:ENCBS019XED, ENCODE:ENCBS020YDI, ENCODE:ENCBS021UTC, ENCODE:ENCBS023JBH, ENCODE:ENCBS024EHA, ENCODE:ENCBS025AAW, ENCODE:ENCBS030GWA, ENCODE:ENCBS030ZIT, ENCODE:ENCBS033QJG, ENCODE:ENCBS034ENA, ENCODE:ENCBS034PYO, ENCODE:ENCBS035IIS, ENCODE:ENCBS038OUO, ENCODE:ENCBS038ZQB, ENCODE:ENCBS039DPC, ENCODE:ENCBS039XPI, ENCODE:ENCBS040DES, ENCODE:ENCBS040EJF, ENCODE:ENCBS040QBA, ENCODE:ENCBS041GAW, ENCODE:ENCBS042JDA, ENCODE:ENCBS044VWV, ENCODE:ENCBS045GOD, ENCODE:ENCBS045OVM, ENCODE:ENCBS048XFP, ENCODE:ENCBS049KBY, ENCODE:ENCBS049QKG, ENCODE:ENCBS049RJI, ENCODE:ENCBS051IBT, ENCODE:ENCBS053QGR, ENCODE:ENCBS053TZY, ENCODE:ENCBS055KDL, ENCODE:ENCBS056VWP, ENCODE:ENCBS060DQW, ENCODE:ENCBS061GMD, ENCODE:ENCBS061GZI, ENCODE:ENCBS063CQL, ENCODE:ENCBS063KED, ENCODE:ENCBS065LQD, ENCODE:ENCBS066SAB, ENCODE:ENCBS066SXT, ENCODE:ENCBS067QSF, ENCODE:ENCBS068DNA, ENCODE:ENCBS070YKP, ENCODE:ENCBS072JEO, ENCODE:ENCBS074GMS, ENCODE:ENCBS074IZI, ENCODE:ENCBS074PUV, ENCODE:ENCBS074YUC, ENCODE:ENCBS075HYT, ENCODE:ENCBS076HTW, ENCODE:ENCBS077CZP, ENCODE:ENCBS077NMC, ENCODE:ENCBS085GSG, ENCODE:ENCBS085IZZ,

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ID: CVCL_0027

Record Creation Time: 20220427T220334+0000

Record Last Update: 20260829T233656+0000

Ratings and Alerts

No rating or validation information has been found for Hep-G2.

Warning: Problematic cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877).

Registration: International Depository Authority, American Type Culture Collection (ATCC); HB-8065.

Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: MD Anderson Cell Lines Project., Part of: Liver Cancer Model Repository (LIMORE)., Part of: JFCR45 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 1., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877)..., Group: Patented cell line. **Warning:** Problematic

cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877).

Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: MD Anderson Cell Lines Project., Part of: Liver Cancer Model Repository (LIMORE)., Part of: JFCR45 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 1., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877)..., Group: Patented cell line. **Warning:** Discontinued: JCRB; NIHS0326

Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: MD Anderson Cell Lines Project., Part of: Liver Cancer Model Repository (LIMORE)., Part of: JFCR45 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 1., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877)..., Group: Patented cell line. **Warning:** Discontinued: RCB; RCB0459

Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: MD Anderson Cell Lines Project., Part of: Liver Cancer Model Repository (LIMORE)., Part of: JFCR45 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 1., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a hepatocellular carcinoma cell line but shown to be from an hepatoblastoma (PubMed=19751877)..., Group: Patented cell line.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 22515 mentions in open access literature.

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

Li QH, et al. (2026) Guaianolide dimer KGA-1002 targets GRP94 and triggers unfolded protein response-associated degradation of SKP2/AKT axis as a novel antihepatoma agent. Journal of advanced research.

Essa AF, et al. (2026) Multitarget Antioxidant and Anticancer Potential of Euphorbia greenwayi Essential Oil: Phytochemical Profiling and Molecular Insights. Chemistry & biodiversity, 23(2), e01894.

Ma Y, et al. (2026) Large-Scale Quantitative Morphometry of Platelet ??-Granules via SIM Super-Resolution Microscopy for Cancer Liquid Biopsy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(34), e75094.

Kempynck N, et al. (2026) CREsted: modeling genomic and synthetic cell-type-specific enhancers across tissues and species. Nature methods, 23(5), 946.

- Lin S, et al. (2026) Multi omics analysis reveals senescence associated genes in metabolic dysfunction associated steatohepatitis related liver cancer and their functional validation. *International journal of biological macromolecules*, 358, 151713.
- Feng L, et al. (2026) BRIGHT Enables High-SNR Live-Cell Imaging of Non-Repetitive Sequences via Bivalent Fluorescent Nanobody-Mediated Cascade-Dependent Illumination. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(2), e13014.
- Caceres A, et al. (2026) High glucose diet induces hepatic iron overload contributing to metabolic dysfunction. *iScience*, 29(1), 114441.
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- Montoya T, et al. (2026) Alanine catabolism as a targetable vulnerability for MYC-driven liver cancer. *Cell reports*, 45(4), 117107.
- Yang T, et al. (2026) Covalent Inhibition of SHMT2 by Gambogic Acid Induces Ferroptosis Through Mitochondrial Collapse in Triple-Negative Breast Cancer. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(42), e20252.
- Taneera J, et al. (2026) Elevated Circulating Follistatin Is Associated With Diabetic Status and Glycemic Dysregulation in Patients With ??-Thalassemia Major. *Cell biochemistry and function*, 44(5), e70226.
- Zhang MS, et al. (2026) BCAT1-dependent HIF-1?? stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. *Cell reports. Medicine*, 7(5), 102784.
- Hammami N, et al. (2026) Mediterranean Asteraceae as Natural Sources of Antioxidants and Enzyme Inhibitors: A Case Study on *Urospermum dalechampii* and *Andryala integrifolia* From Tunisia. *Chemistry & biodiversity*, 23(6), e71434.
- Shu Y, et al. (2026) Deacetylated PCBP1 licenses PARP1 activity for DNA damage repair. *Molecular cell*, 86(14), 2703.
- Wang H, et al. (2026) A New Sulfated Cholestane From the Sea Urchin *Mesocentrotus nudus* With Cytotoxic Activity. *Chemistry & biodiversity*, 23(6), e71393.
- Jahnz H, et al. (2026) Development of a recombinant adeno-associated virus vector for human T lymphocyte- and natural killer cell-targeted gene therapy. *bioRxiv : the preprint server for biology*.
- Fu Q, et al. (2026) Identification of the regulatory elements and protein substrates of lysine acetoacetylation. *eLife*, 14.
- Pan J, et al. (2026) USP22 inhibition potentiates GPC3 chimeric antigen receptor macrophages efficacy in hepatocellular carcinoma by downregulating tumor CD24 expression. *Cancer letters*, 655, 218593.

Wang JZ, et al. (2026) Activation of AMPK by Sophoricoside Suppresses Primary Liver Cancer Progression In Vitro and In Vivo. *Journal of biochemical and molecular toxicology*, 40(5), e70838.