

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

BEL-7402

RRID:CVCL_5492

Type: Cell Line

Proper Citation

RRID:CVCL_5492

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_5492

Proper Citation: RRID:CVCL_5492

Description: Cell line BEL-7402 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Human papillomavirus-related endocervical adenocarcinoma

Defining Citation: [PMID:1849045](#), [PMID:6154311](#), [PMID:6275024](#), [PMID:14571772](#), [PMID:23167424](#), [PMID:23505090](#), [PMID:28807831](#)

Comments: Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3131C0001000700010, 3142C0001000000035). They were the sole source for the STR profile of this entry., Population: African American., Problematic cell line: Contaminated. Shown to be a HeLa derivative (PubMed=28807831). Originally thought to originate from a 53 year old male patient with a hepatocellular carcinoma..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: BEL-7402

Synonyms: Bel-7402, BEL 7402, Bel 7402, BEL7402, Bel7402

Cross References: BTO:BTO_0004050, EFO:EFO_0022709, ChEMBL-Cells:ChEMBL3307770, ChEMBL-Targets:ChEMBL614279, Cosmic:1499247, Cosmic:2773179, GEO:GSM936754, GEO:GSM1374400, PRIDE:PXD015917, PubChem_Cell_line:CVCL_5492, TOKU-E:3571, Wikidata:Q54795968

ID: CVCL_5492

Hierarchy: cvcl_0030

Record Creation Time: 20220427T215358+0000

Record Last Update: 20260802T010322+0000

Ratings and Alerts

No rating or validation information has been found for BEL-7402.

Warning: Problematic cell line: Contaminated. Shown to be a HeLa derivative (PubMed=28807831). Originally thought to originate from a 53 year old male patient with a hepatocellular carcinoma.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00549.

Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3131C0001000700010, 3142C0001000000035). They were the sole source for the STR profile of this entry., Population: African American., Problematic cell line: Contaminated. Shown to be a HeLa derivative (PubMed=28807831). Originally thought to originate from a 53 year old male patient with a hepatocellular carcinoma..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 721 mentions in open access literature.

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

Weiskirchen R, et al. (2025) Misidentified cell lines: failures of peer review, varying journal responses to misidentification inquiries, and strategies for safeguarding biomedical research. Research integrity and peer review, 10(1), 12.

Thng DKH, et al. (2023) Histone-lysine N-methyltransferase EHMT2 (G9a) inhibition mitigates tumorigenicity in Myc-driven liver cancer. Molecular oncology.

Weiskirchen R, et al. (2023) Research reporting guidelines for cell lines: more than just a recommendation. Annals of translational medicine, 11(12), 421.

Wang B, et al. (2023) NIR-II fluorescence-guided liver cancer surgery by a small molecular HDAC6 targeting probe. EBioMedicine, 98, 104880.

Yao Z, et al. (2023) The Role of miR-1183: A Potential Suppressor in Hepatocellular Carcinoma via Regulating Splicing Factor SRSF1. Journal of hepatocellular carcinoma, 10, 1169.

Yan H, et al. (2023) Regorafenib inhibits EphA2 phosphorylation and leads to liver damage via the ERK/MDM2/p53 axis. *Nature communications*, 14(1), 2756.

Zhang K, et al. (2023) Silencing proline-rich coiled-coil 2C inhibit the proliferation and metastasis of liver cancer cells. *Journal of gastrointestinal oncology*, 14(1), 287.

Zhang H, et al. (2023) NIMA-related kinase 6 as an effective target inhibits the hepatocarcinogenesis and progression of hepatocellular carcinoma. *Heliyon*, 9(6), e15971.

Li J, et al. (2023) Halorotetin A: A Novel Terpenoid Compound Isolated from Ascidian *Halocynthia rotetzi* Exhibits the Inhibition Activity on Tumor Cell Proliferation. *Marine drugs*, 21(1).

Chen ZH, et al. (2023) Development of Combretastatin A-4 Analogues as Potential Anticancer Agents with Improved Aqueous Solubility. *Molecules (Basel, Switzerland)*, 28(4).

Tang S, et al. (2023) Ozonated Water Inhibits Hepatocellular Carcinoma Invasion and Metastasis by Regulating the HMGB1/NF- κ B/STAT3 Signaling Pathway. *Journal of hepatocellular carcinoma*, 10, 203.

Yao L, et al. (2023) RNF2 inhibits E-Cadherin transcription to promote hepatocellular carcinoma metastasis via inducing histone mono-ubiquitination. *Cell death & disease*, 14(4), 261.

Chen J, et al. (2023) Evaluation of the Anticancer Activity and Mechanism Studies of Glycyrrhetic Acid Derivatives toward HeLa Cells. *Molecules (Basel, Switzerland)*, 28(7).

Wang P, et al. (2023) New Isocoumarins from the Marine Fungus *Phaeosphaeriopsis* sp. WP-26. *Marine drugs*, 21(3).

Fan L, et al. (2023) Increased expression of TBC1D10B as a potential prognostic and immunotherapy relevant biomarker in liver hepatocellular carcinoma. *Scientific reports*, 13(1), 335.

Shi Y, et al. (2023) Six Cell Cycle-related Genes Serve as Potential Prognostic Biomarkers and Correlated with Immune Infiltrates in Hepatocellular Carcinoma. *Journal of Cancer*, 14(1), 9.

Chen E, et al. (2023) CDCA8 induced by NF-YA promotes hepatocellular carcinoma progression by regulating the MEK/ERK pathway. *Experimental hematology & oncology*, 12(1), 9.

Zhang M, et al. (2023) Alpha fetoprotein promotes polarization of macrophages towards M2-like phenotype and inhibits macrophages to phagocytize hepatoma cells. *Frontiers in immunology*, 14, 1081572.

Chen J, et al. (2023) A Novel Phenazine Analog, CPUL1, Suppresses Autophagic Flux and Proliferation in Hepatocellular Carcinoma: Insight from Integrated Transcriptomic and Metabolomic Analysis. *Cancers*, 15(5).

Sun W, et al. (2023) Combining WGCNA and machine learning to construct basement membrane-related gene index helps to predict the prognosis and tumor microenvironment of HCC patients and verifies the carcinogenesis of key gene CTSA. *Frontiers in immunology*, 14, 1185916.