

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

NCI-H157

RRID:CVCL_0463

Type: Cell Line

Proper Citation

RRID:CVCL_0463

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0463

Proper Citation: RRID:CVCL_0463

Description: Cell line NCI-H157 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung squamous cell carcinoma

Defining Citation: [PMID:1311061](#), [PMID:1563005](#), [PMID:3940644](#), [PMID:6148444](#), [PMID:6270685](#), [PMID:6272398](#), [PMID:6713399](#), [PMID:7972006](#), [PMID:8626706](#), [PMID:8806092](#), [PMID:9649128](#), [PMID:10536175](#), [PMID:11005564](#), [PMID:11369051](#), [PMID:12068308](#), [PMID:12820372](#), [PMID:16187286](#), [PMID:19472407](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20557307](#), [PMID:20624269](#), [PMID:22961666](#), [PMID:23381221](#), [PMID:25120651](#), [PMID:26361996](#), [PMID:29681454](#), [PMID:30038707](#), [PMID:31803961](#), [PMID:38180245](#)

Comments: Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: NCI-H157

Synonyms: NCI-H157, NCI H157, H157, H-157, NCI-157, NCIH157DM, H157DM

Cross References: BTO:BTO_0002283, CLO:CLO_0037032, EFO:EFO_0003118, MCCL:MCC:0000360, ArrayExpress:E-MTAB-783, ATCC:CRL-5802, BioSample:SAMN03151855, BioSample:SAMN03471738, cancercellines:CVCL_0463,

CCRID:1101HUM-PUMC000113, ChEMBL-Cells:ChEMBL3307706, ChEMBL-Targets:ChEMBL614783, CLS:300387, Cosmic:722053, Cosmic:724867, Cosmic:801588, Cosmic:844816, Cosmic:852006, Cosmic:876171, Cosmic:877258, Cosmic:903569, Cosmic:911847, Cosmic:917987, Cosmic:929971, Cosmic:930486, Cosmic:932921, Cosmic:934546, Cosmic:949208, Cosmic:953987, Cosmic:980960, Cosmic:1028954, Cosmic:1032432, Cosmic:1146881, Cosmic:1219061, Cosmic:1239910, Cosmic:1320185, Cosmic:2560227, Cosmic:2648437, Cosmic:2668267, Cosmic:2668329, DepMap:ACH-000921, GEO:GSM62967, GEO:GSM108815, GEO:GSM108816, GEO:GSM253365, GEO:GSM434267, GEO:GSM784238, GEO:GSM794274, GEO:GSM817068, IARC_TP53:495, IARC_TP53:28242, IARC_TP53:28453, IGRhCellID:H157GEO, KCB:KCB 200814YJ, KCLB:90157, LINCS_LDP:LCL-1596, PRIDE:PXD002556, Progenetix:CVCL_0463, PubChem_Cell_line:CVCL_0463, Wikidata:Q54907822

ID: CVCL_0463

Record Creation Time: 20220427T220838+0000

Record Last Update: 20260913T004952+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H157.

Warning: Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00412.

Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical.. **Warning:** Discontinued: ATCC; CRL-5802

Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical.. **Warning:** Discontinued: KCLB; 90157

Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 163 mentions in open access literature.

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

- Pan K, et al. (2026) Lysine methylation-mediated SMYD2 degradation by casticin sensitizes non-small-cell lung cancer cells to osimertinib therapy. *Biochemical pharmacology*, 243(Pt 2), 117562.
- Pan K, et al. (2025) ANP32A-mediated histone 3 K27 acetylation is essential for sotorasib activity in KRAS-mutant non-small cell lung cancer. *The Journal of biological chemistry*, 302(2), 111110.
- Chen H, et al. (2025) JMJD6 K375 acetylation restrains lung cancer progression by enhancing METTL14/m6A/SLC3A2 axis mediated cell ferroptosis. *Journal of translational medicine*, 23(1), 233.
- Li Q, et al. (2025) CircPTK2 enhances non-small cell lung cancer proliferation by inhibiting cellular senescence through stabilizing NFYA and elevating FOXM1. *British journal of pharmacology*.
- Cai G, et al. (2025) UMP functions as an endogenous regulator of NR4A1 to control gastric cancer progression. *Molecular cell*, 85(23), 4347.
- Galan-Cobo A, et al. (2025) KEAP1 and STK11/LKB1 alterations enhance vulnerability to ATR inhibition in KRAS mutant non-small cell lung cancer. *Cancer cell*, 43(8), 1530.
- Li S, et al. (2023) Comprehensive Analyses and Immunophenotyping of LIM Domain Family Genes in Patients with Non-Small-Cell Lung Cancer. *International journal of molecular sciences*, 24(5).
- Dong Z, et al. (2023) Combined Thermosensitive Gel Co-Loaded with Dermaseptin-PP and PTX Liposomes for Effective Local Chemotherapy. *International journal of nanomedicine*, 18, 413.
- Chen J, et al. (2022) CUR5g, a novel autophagy inhibitor, exhibits potent synergistic anticancer effects with cisplatin against non-small-cell lung cancer. *Cell death discovery*, 8(1), 435.
- Tajbakhsh J, et al. (2022) DNA methylation topology differentiates between normal and malignant in cell models, resected human tissues, and exfoliated sputum cells of lung epithelium. *Frontiers in oncology*, 12, 991120.
- Rose M, et al. (2022) ITIH5-Derived Polypeptides Covering the VIT Domain Suppress the Growth of Human Cancer Cells In Vitro. *Cancers*, 14(3).
- Zeng Y, et al. (2022) Involvement of RUVBL1 in WNT/??-Catenin Signaling in Oral Squamous Cell Carcinoma. *Disease markers*, 2022, 3398492.
- Goulart Stollmaier J, et al. (2022) Conversion of Natural Narciclasine to Its C-1 and C-6 Derivatives and Their Antitumor Activity Evaluation: Some Unusual Chemistry of Narciclasine. *Molecules (Basel, Switzerland)*, 27(13).
- Das T, et al. (2022) USP15 and USP4 facilitate lung cancer cell proliferation by regulating the alternative splicing of SRSF1. *Cell death discovery*, 8(1), 24.

Ma Y, et al. (2022) Tumor-Intrinsic PD-L1 Exerts an Oncogenic Function through the Activation of the Wnt/ β -Catenin Pathway in Human Non-Small Cell Lung Cancer. *International journal of molecular sciences*, 23(19).

De Franco M, et al. (2022) Unveiling the Potential of Innovative Gold(I) and Silver(I) Selenourea Complexes as Anticancer Agents Targeting TrxR and Cellular Redox Homeostasis. *Chemistry (Weinheim an der Bergstrasse, Germany)*, 28(70), e202201898.

Holbert CE, et al. (2022) Polyamine-Based Nanostructures Share Polyamine Transport Mechanisms with Native Polyamines and Their Analogues: Significance for Polyamine-Targeted Therapy. *Medical sciences (Basel, Switzerland)*, 10(3).

Kundu ST, et al. (2022) The microRNA-183/96/182 cluster inhibits lung cancer progression and metastasis by inducing an interleukin-2-mediated antitumor CD8⁺ cytotoxic T-cell response. *Genes & development*, 36(9-10), 582.

Kang J, et al. (2022) EGFR-phosphorylated GDH1 harmonizes with RSK2 to drive CREB activation and tumor metastasis in EGFR-activated lung cancer. *Cell reports*, 41(11), 111827.

Zhou X, et al. (2021) Dependency of human and murine LKB1-inactivated lung cancer on aberrant CRTC-CREB activation. *eLife*, 10.