

Resource Summary Report

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CNE-1

RRID:CVCL_6888

Type: Cell Line

Proper Citation

Ubigen Cat# YC-C062, RRID:CVCL_6888

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_6888

Proper Citation: Ubigen Cat# YC-C062, RRID:CVCL_6888

Description: Cell line CNE-1 is a Hybrid cell line with a species of origin Homo sapiens (Human)

Defining Citation: [PMID:206962](#), [PMID:1813165](#), [PMID:7129938](#), [PMID:12645650](#), [PMID:18196576](#), [PMID:24991015](#)

Comments: Problematic cell line: Contaminated. On the basis of the STR profile (PubMed=18196576) it is identical to CNE-2 and seems to be a hybrid of HeLa and of cell line of unknown origin. This is also confirmed by RNASeq data from PubMed=24991015. Originally thought to originate from a 58 year old female patient with a nasopharyngeal carcinoma..

Category: Hybrid cell line

Organism: Homo sapiens (Human)

Name: CNE-1

Synonyms: CNE1, CNE

Cross References: BTO:BTO_0006074, BioSample:SAMN06481108, cancercelllines:CVCL_6888, CCTCC:GDC0208, ChEMBL-Cells:ChEMBL3308055, ChEMBL-Targets:ChEMBL613824, Cosmic:755504, Cosmic:923773, Cosmic:944909, Cosmic:1193457, Cosmic:1322946, Cosmic:2366879, GEO:GSM375845, Progenetix:CVCL_6888, PubChem_Cell_line:CVCL_6888, TOKU-E:3588, Ubigen:YC-C062, Wikidata:Q54813873

ID: CVCL_6888

Vendor: Ubigen

Catalog Number: YC-C062

Hierarchy: cvcl_0030

Record Creation Time: 20250130T070735+0000

Record Last Update: 20260830T001555+0000

Ratings and Alerts

No rating or validation information has been found for CNE-1.

Warning: Problematic cell line: Contaminated. On the basis of the STR profile (PubMed=18196576) it is identical to CNE-2 and seems to be a hybrid of HeLa and of cell line of unknown origin. This is also confirmed by RNASeq data from PubMed=24991015. Originally thought to originate from a 58 year old female patient with a nasopharyngeal carcinoma.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00473.

Problematic cell line: Contaminated. On the basis of the STR profile (PubMed=18196576) it is identical to CNE-2 and seems to be a hybrid of HeLa and of cell line of unknown origin. This is also confirmed by RNASeq data from PubMed=24991015. Originally thought to originate from a 58 year old female patient with a nasopharyngeal carcinoma..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 200 mentions in open access literature.

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

Elgui de Oliveira D, et al. (2025) Raising Awareness About Compromised Cell Lines, Better Science Practices, and Accountability. Virus genes.

Wang C, et al. (2024) Targeted blocking of EGFR and GLUT1 by compound H reveals a new strategy for treatment of triple-negative breast cancer and nasopharyngeal carcinoma. European journal of pharmaceutical sciences : official journal of the European Federation for Pharmaceutical Sciences, 198, 106789.

Chen E, et al. (2023) FLI1 regulates radiotherapy resistance in nasopharyngeal carcinoma through TIE1-mediated PI3K/AKT signaling pathway. Journal of translational medicine, 21(1), 134.

Zheng S, et al. (2023) MTSS1 is downregulated in nasopharyngeal carcinoma (NPC) which disrupts adherens junctions leading to enhanced cell migration and invasion. Frontiers in cell and developmental biology, 11, 1275668.

Zhuang Q, et al. (2023) Knockdown of LAMB3 suppressed radioresistance in nasopharyngeal carcinoma via deactivating NRF2 signaling pathway. *Journal of radiation research*, 64(3), 509.

Wang H, et al. (2023) Circular RNA SMARCA5 Modulates Epithelial-Mesenchymal Transformation, Proliferation, and Metastasis of Nasopharyngeal Carcinoma Cells via microRNA-582-3p/Phosphatase and Tensin Homolog Axis. *Evidence-based complementary and alternative medicine : eCAM*, 2023, 5177471.

Ding Y, et al. (2023) Learning and Investigation of the Role of Angiotensin-Converting Enzyme in Radiotherapy for Nasopharyngeal Carcinoma. *Biomedicines*, 11(6).

Wu F, et al. (2023) High-Precision Detection of Cellular Drug Response Based on SERS Spectrum and Multivariate Statistical Analysis. *Biosensors*, 13(2).

Li M, et al. (2023) BRD7 inhibits enhancer activity and expression of BIRC2 to suppress tumor growth and metastasis in nasopharyngeal carcinoma. *Cell death & disease*, 14(2), 121.

Yuan C, et al. (2022) Novel Chiral Ru(II) Complexes as Potential c-myc G-quadruplex DNA Stabilizers Inducing DNA Damage to Suppress Triple-Negative Breast Cancer Progression. *International journal of molecular sciences*, 24(1).

Ma XM, et al. (2022) TGF- β 1-Mediated PD-L1 Glycosylation Contributes to Immune Escape via c-Jun/STT3A Pathway in Nasopharyngeal Carcinoma. *Frontiers in oncology*, 12, 815437.

Shi L, et al. (2022) Effects of Cisplatin Combined with Metformin on Proliferation and Apoptosis of Nasopharyngeal Carcinoma Cells. *Computational and mathematical methods in medicine*, 2022, 2056247.

Li X, et al. (2022) Timosaponin AIII Suppresses RAP1 Signaling Pathway to Enhance the Inhibitory Effect of Paclitaxel on Nasopharyngeal Carcinoma. *Computational and mathematical methods in medicine*, 2022, 6756676.

Li J, et al. (2022) Stanniocalcin-2 promotes cell EMT and glycolysis via activating ITGB2/FAK/SOX6 signaling pathway in nasopharyngeal carcinoma. *Cell biology and toxicology*, 38(2), 259.

Huang E, et al. (2022) Establishment of a Zebrafish Xenograft Model for in Vivo Investigation of Nasopharyngeal Carcinoma. *Cell transplantation*, 31, 9636897221116085.

Wang J, et al. (2022) Silencing of long non-coding RNA TUC338 inhibits the malignant phenotype of nasopharyngeal cancer cells via modulating the miR-1226-3p/FGF2 axis. *Discover. Oncology*, 13(1), 102.

Fang Y, et al. (2022) Extracellular matrix stiffness mediates radiosensitivity in a 3D nasopharyngeal carcinoma model. *Cancer cell international*, 22(1), 364.

Yang W, et al. (2022) Exosomal miR-205-5p enhances angiogenesis and nasopharyngeal carcinoma metastasis by targeting desmocollin-2. *Molecular therapy oncolytics*, 24, 612.

Wang H, et al. (2022) Novel Triterpenoid Alkaloids With Their Potential Cytotoxic Activity From the Roots of *Siraitia grosvenorii*. *Frontiers in chemistry*, 10, 885487.

Tang L, et al. (2022) MiR-299-3p Inhibits Nasopharyngeal Carcinoma Cell Proliferation and Migration by Targeting MMP-2. *Journal of oncology*, 2022, 2322565.