

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

H4

RRID:CVCL_1239

Type: Cell Line

Proper Citation

RRID:CVCL_1239

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1239

Proper Citation: RRID:CVCL_1239

Description: Cell line H4 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Astrocytoma

Defining Citation: [PMID:4544026](#), [PMID:6256643](#), [PMID:6500159](#), [PMID:10074188](#), [PMID:10560660](#), [PMID:11414198](#), [PMID:11508811](#), [PMID:19435942](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31395879](#), [PMID:35839778](#)

Comments: Miscellaneous: Originally classified as originating from a neuroglioma, an obsolete classification. This cell line has been reclassified as an astrocytoma., Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: PTEN genetic alteration cell panel (ATCC TCP-1030)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: H4

Synonyms: H-4

Cross References: BTO:BTO_0003704, CLO:CLO_0003599, EFO:EFO_0002184, CLDB:cl5193, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:HTB-148, BCRJ:0263, BioGRID_ORCS_Cell_line:430, BioSample:SAMN03472722, BioSample:SAMN10987915,

cancer cell lines: CVCL_1239, CCRID:1101HUM-PUMC000372, CCRID:4201HUM-CCTCC00128, CCTCC:GDC0128, Cell_Model_Passport:SIDM00852, ChEMBL-Cells:ChEMBL3308507, ChEMBL-Targets:ChEMBL1075452, CLS:300184, Cosmic:687571, Cosmic:849856, Cosmic:907042, Cosmic:1610749, Cosmic:1746955, Cosmic:2060805, Cosmic:2302320, Cosmic:2367529, Cosmic-CLP:907042, DepMap:ACH-000389, EGA:EGAS00001000978, ENCODE:ENCBS381KGR, ENCODE:ENCBS836LDB, ENCODE:ENCBS902ISQ, GDSC:907042, GEO:GSM326236, GEO:GSM887031, GEO:GSM888101, GEO:GSM1669834, IARC_TP53:21355, IGRhCellID:H4, IZSLER:BS TCL 102, KCB:KCB 2012027YJ, LiGeA:CCLE_383, LINCS_LDP:LCL-1401, Lonza:285, PharmacDB:H4_437_2019, PRIDE:PXD030304, Progenetix:CVCL_1239, PubChem_Cell_line:CVCL_1239, TOKU-E:1367, Wikidata:Q54872126

ID: CVCL_1239

Record Creation Time: 20220427T220223+0000

Record Last Update: 20260905T180032+0000

Ratings and Alerts

No rating or validation information has been found for H4.

No alerts have been found for H4.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Månsson LK, et al. (2026) Optogenetic Control of the Integrated Stress Response Limits Glioblastoma Invasion. Cell biochemistry and function, 44(4), e70212.

Wong F, et al. (2025) Optogenetics-enabled discovery of integrated stress response modulators. Cell, 188(18), 4950.

Inthanachai T, et al. (2025) Novel B7-H3 CAR T cells show potent antitumor effects in glioblastoma: a preclinical study. Journal for immunotherapy of cancer, 13(1).

Wang B, et al. (2025) 14-3-3 γ phosphorylation exacerbates alpha-synuclein aggregation and toxicity. Neurobiology of disease, 206, 106801.

Palmer JE, et al. (2025) Coordination of autophagosome closure and release by the Alzheimer's disease-associated protein BIN1. Cell reports, 44(9), 116266.

Ikemizu A, et al. (2024) Identification and Characterization of Synaptic Vesicle Membrane Protein VAT-1 Homolog as a New Catechin-Binding Protein. *Biological & pharmaceutical bulletin*, 47(2), 509.

Mao L, et al. (2024) Olgotrelvir, a dual inhibitor of SARS-CoV-2 Mpro and cathepsin L, as a standalone antiviral oral intervention candidate for COVID-19. *Med (New York, N.Y.)*, 5(1), 42.

Chen Z, et al. (2024) Neuronal-enriched small extracellular vesicles trigger a PD-L1-mediated broad suppression of T cells in Parkinson's disease. *iScience*, 27(7), 110243.

Thapa N, et al. (2024) A p85 isoform switch enhances PI3K activation on endosomes by a MAP4- and PI3P-dependent mechanism. *Cell reports*, 43(5), 114119.

Guo JL, et al. (2024) Decreased lipidated ApoE-receptor interactions confer protection against pathogenicity of ApoE and its lipid cargoes in lysosomes. *Cell*.

Graham K, et al. (2024) Discovery of YAP1/TAZ pathway inhibitors through phenotypic screening with potent anti-tumor activity via blockade of Rho-GTPase signaling. *Cell chemical biology*, 31(7), 1247.

Szwarc MM, et al. (2023) FAM193A is a positive regulator of p53 activity. *Cell reports*, 42(3), 112230.

Lee JH, et al. (2022) Alzheimer's disease protease-containing plasma extracellular vesicles transfer to the hippocampus via the choroid plexus. *EBioMedicine*, 77, 103903.

Köferle A, et al. (2022) Interrogation of cancer gene dependencies reveals paralog interactions of autosome and sex chromosome-encoded genes. *Cell reports*, 39(2), 110636.

Han W, et al. (2022) Targeting HOTAIRM1 ameliorates glioblastoma by disrupting mitochondrial oxidative phosphorylation and serine metabolism. *iScience*, 25(8), 104823.

Soutar MPM, et al. (2022) Regulation of mitophagy by the NSL complex underlies genetic risk for Parkinson's disease at 16q11.2 and MAPT H1 loci. *Brain : a journal of neurology*, 145(12), 4349.

Tirinato L, et al. (2021) Lipid droplets and ferritin heavy chain: a devilish liaison in human cancer cell radioresistance. *eLife*, 10.

Wang C, et al. (2021) Implication of long non-coding RNA NEAT1 in the pathogenesis of bacterial meningitis-induced blood-brain barrier damage. *Microvascular research*, 138, 104225.

Lester E, et al. (2021) Tau aggregates are RNA-protein assemblies that mislocalize multiple nuclear speckle components. *Neuron*, 109(10), 1675.

Liu K, et al. (2021) SAC1 regulates autophagosomal phosphatidylinositol-4-phosphate for xenophagy-directed bacterial clearance. *Cell reports*, 36(4), 109434.