Resource Summary Report

Generated by dkNET on Sep 5, 2026

NUGC-4

RRID:CVCL_3082
Type: Cell Line

Proper Citation

RRID:CVCL_3082

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3082

Proper Citation: RRID:CVCL_3082

Description: Cell line NUGC-4 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Gastric signet ring cell adenocarcinoma

Defining Citation: PMID:1370612, PMID:1778766, PMID:2474525, PMID:3172586, PMID:9290701, PMID:11314020, PMID:15723654, PMID:15900046, PMID:19132987, PMID:20215515, PMID:22460905, PMID:24587255, PMID:24807215, PMID:25343454, PMID:25485619, PMID:25877200, PMID:26589293, PMID:27397505, PMID:29435981, PMID:30894373, PMID:31068700, PMID:35839778

Comments: Population: Japanese., 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: NUGC-4

Synonyms: NUGC4, NU-GC-4, Nagoya University-Gastric Cancer-4

Cross References: BTO:BTO_0005917, CLO:CLO_0050789, EFO:EFO_0006703, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioSample:SAMN01821711, BioSample:SAMN03473124, BioSample:SAMN10987867, cancercelllines:CVCL_3082, Cell_Model_Passport:SIDM00570, CGH-DB:135-1, ChEMBL-Cells:CHEMBL3307267, ChEMBL-Targets:CHEMBL613519, Cosmic:1187289, Cosmic:1329186, Cosmic:1460702, Cosmic:1518257, Cosmic:1890473, Cosmic:2009530,

Cosmic:2484971, Cosmic:2807639, Cosmic-CLP:1298357, DepMap:ACH-000674, EGA:EGAS00001000610, EGA:EGAS00001000978, FANTOM5_SSTAR:10483-107A6, GDSC:1298357, GEO:GSM552368, GEO:GSM827575, GEO:GSM844667, GEO:GSM887463, GEO:GSM888543, GEO:GSM1374777, GEO:GSM1670288, IARC_TP53:25015, JCRB:JCRB0834, LiGeA:CCLE_273, LINCS_LDP:LCL-2001, PharmacoDB:NUGC4_1174_2019, PRIDE:PXD030304, Progenetix:CVCL_3082, PubChem_Cell_line:CVCL_3082, RCB:RCB1939, TKG:TKG 0449, Wikidata:Q54931165

ID: CVCL_3082

Record Creation Time: 20220427T221350+0000

Record Last Update: 20260904T015318+0000

Ratings and Alerts

No rating or validation information has been found for NUGC-4.

No alerts have been found for NUGC-4.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Ishida M, et al. (2026) AXL-SHC1 signaling axis mediates adaptive resistance to HER2-targeted tyrosine kinase inhibitors in HER2-aberrant lung and gastric cancers. NPJ precision oncology, 10(1).

Kang M, et al. (2026) Pertuzumab Enhances the Antitumor Activity of T-DXd in HER2-Positive Gastric Cancer Cells. Molecular cancer therapeutics, 25(5), 814.

Pan G, et al. (2026) MTSS1-dependent ubiquitin modifications mediated by FBXO44 remodel the actin cytoskeleton to promote gastric cancer progression. Molecular cancer, 25(1).

Pan G, et al. (2026) Enhancing platinum-based chemotherapy efficacy and safety through combination therapy-mediated remodeling of autophagic homeostasis in gastric cancer. Cell death & disease, 17(1).

Zhang Y, et al. (2025) Development of the FGFR4-ADC bearing the ferroptosis inducer sulfasalazine for hepatocellular carcinoma. iScience, 28(11), 113718.

Gaspar M, et al. (2025) An affinity-modulated T cell engager targeting Claudin 18.2 shows potent anti-tumor activity with limited cytokine release. Journal for immunotherapy of

cancer, 13(8).

Barrett AM, et al. (2024) Preclinical Evaluation of AZD6422, an Armored Chimeric Antigen Receptor T Cell Targeting CLDN18.2 in Gastric, Pancreatic, and Esophageal Cancers. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(23), 5413.

Sasahara M, et al. (2024) Therapeutic antibody targeting natriuretic peptide receptor 1 inhibits gastric cancer growth via BCL-2-mediated intrinsic apoptosis. International journal of cancer, 154(7), 1272.

Umeda S, et al. (2022) Lysosomal-associated membrane protein family member 5 promotes the metastatic potential of gastric cancer cells. Gastric cancer : official journal of the International Gastric Cancer Association and the Japanese Gastric Cancer Association, 25(3), 558.

Tanaka H, et al. (2022) Transcriptomic profiling on localized gastric cancer identified CPLX1 as a gene promoting malignant phenotype of gastric cancer and a predictor of recurrence after surgery and subsequent chemotherapy. Journal of gastroenterology, 57(9), 640.

Konno H, et al. (2022) ZL-1211 Exhibits Robust Antitumor Activity by Enhancing ADCC and Activating NK Cell-mediated Inflammation in CLDN18.2-High and -Low Expressing Gastric Cancer Models. Cancer research communications, 2(9), 937.