Resource Summary Report

Generated by dkNET on Sep 17, 2026

NUGC-3

RRID:CVCL_1612
Type: Cell Line

Proper Citation

RRID:CVCL_1612

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1612

Proper Citation: RRID:CVCL_1612

Description: Cell line NUGC-3 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Gastric adenocarcinoma

Defining Citation: PMID:1370612, PMID:1778766, PMID:3172586, PMID:3325673, PMID:9290701, PMID:15723654, PMID:15767549, PMID:19132987, PMID:20164919, PMID:20215515, PMID:22460905, PMID:24807215, PMID:25343454, PMID:25485619, PMID:25877200, PMID:26589293, PMID:27397505, PMID:28196595, PMID:29435981, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31978347, PMID:35839778

Comments: Population: Japanese., Part of: MD Anderson Cell Lines Project., Part of: JFCR45 cancer cell line panel., 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-3

Synonyms: NUGC3, NU-GC-3, Nagoya University-Gastric Cancer-3

Cross References: BTO:BTO_0002597, CLO:CLO_0037144, EFO:EFO_0006702, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:397, BioSample:SAMN03473123, BioSample:SAMN10988359, cancercelllines:CVCL_1612, Cell_Model_Passport:SIDM00572, CGH-DB:134-1, ChEMBL-Cells:CHEMBL3307562,

ChEMBL-Targets:CHEMBL614208, Cosmic:801341, Cosmic:877046, Cosmic:908455, Cosmic:918499, Cosmic:968351, Cosmic:1187288, Cosmic:1518256, Cosmic:1995599, Cosmic:2484968, Cosmic:2807638, Cosmic-CLP:908455, DepMap:ACH-000911, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:908455, GEO:GSM552367, GEO:GSM827405, GEO:GSM828828, GEO:GSM844666, GEO:GSM887462, GEO:GSM888542, GEO:GSM1374776, GEO:GSM1670287, IARC_TP53:973, JCRB:JCRB0822, LiGeA:CCLE_449, LINCS_LDP:LCL-1887, PharmacoDB:NUGC3_1173_2019, PRIDE:PXD030304, Progenetix:CVCL_1612, PubChem_Cell_line:CVCL_1612, Wikidata:Q54931160

ID: CVCL_1612

Record Creation Time: 20220427T221350+0000

Record Last Update: 20260913T005634+0000

Ratings and Alerts

No rating or validation information has been found for NUGC-3.

No alerts have been found for NUGC-3.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

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).

Cui X, et al. (2026) KYNU in Gastric Cancer Cells Promotes Tumor Progression by Influencing Macrophage Polarization Via PF4. Cancer science.

Zhang P, et al. (2026) SKA2 promotes gastric cancer progression by regulating glutathione metabolism. iScience, 29(4), 115202.

Fan W, et al. (2025) Ribosomal RNA transcription regulates splicing through ribosomal protein RPL22. Cell chemical biology, 32(7), 908.

Puzio-Kuter AM, et al. (2025) Restoration of the Tumor Suppressor Function of Y220C-Mutant p53 by Rezatapopt, a Small-Molecule Reactivator. Cancer discovery, 15(6), 1159.

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.

Yonemura A, et al. (2024) Mesothelial cells with mesenchymal features enhance peritoneal dissemination by forming a protumorigenic microenvironment. Cell reports, 43(1), 113613.

Wang SF, et al. (2024) Mitochondrial dysfunction decreases cisplatin sensitivity in gastric cancer cells through upregulation of integrated stress response and mitokine GDF15. The FEBS journal, 291(6), 1131.

Nakayama T, et al. (2023) Inhibition of cancer cell?platelet adhesion as a promising therapeutic target for preventing peritoneal dissemination of gastric cancer. Oncology letters, 26(6), 538.

Sahgal P, et al. (2023) Replicative stress in gastroesophageal cancer is associated with chromosomal instability and sensitivity to DNA damage response inhibitors. iScience, 26(11), 108169.

Zhang W, et al. (2022) A Novel B7-H6-Targeted IgG-Like T Cell-Engaging Antibody for the Treatment of Gastrointestinal Tumors. Clinical cancer research : an official journal of the American Association for Cancer Research, 28(23), 5190.

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.

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.

Abe H, et al. (2021) Virus-host interactions in carcinogenesis of Epstein-Barr virus-associated gastric carcinoma: Potential roles of lost ARID1A expression in its early stage. PloS one, 16(9), e0256440.

Li F, et al. (2021) Identification of ARGLU1 as a potential therapeutic target for gastric cancer based on genome-wide functional screening data. EBioMedicine, 69, 103436.

Yasuda T, et al. (2021) Inflammation-driven senescence-associated secretory phenotype in cancer-associated fibroblasts enhances peritoneal dissemination. Cell reports, 34(8), 108779.

Sugimoto A, et al. (2021) EMMPRIN in extracellular vesicles from peritoneal mesothelial cells stimulates the invasion activity of diffuse-type gastric cancer cells. Cancer letters, 521, 169.

Sakai H, et al. (2021) Folate receptor ? increases chemotherapy resistance through stabilizing MDM2 in cooperation with PHB2 that is overcome by MORAb-202 in gastric cancer. Clinical and translational medicine, 11(6), e454.