

Resource Summary Report

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

HGC-27

RRID:CVCL_1279

Type: Cell Line

Proper Citation

RRID:CVCL_1279

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1279

Proper Citation: RRID:CVCL_1279

Description: Cell line HGC-27 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Sex unspecified

Disease: Gastric carcinoma

Defining Citation: [PMID:136873](#), [PMID:3986962](#), [PMID:11314020](#), [PMID:11416159](#), [PMID:15767549](#), [PMID:15901131](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:24807215](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:34466148](#), [PMID:35839778](#)

Comments: Population: Japanese., 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: HGC-27

Synonyms: HGC 27, HGC27

Cross References: BTO:BTO_0004828, CLO:CLO_0003739, CLO:CLO_0050799, EFO:EFO_0006581, CLDB:cl1673, CLDB:cl1674, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BCRJ:0310, BioGRID_ORCS_Cell_line:658, BioSample:SAMN03472940, BioSample:SAMN10987863, cancercellines:CVCL_1279, CCRID:1101HUM-

PUMC000279, CCRID:3101HUMTCHu22, CCRID:5301HUM-KCB16001YJ, Cell_Model_Passport:SIDM00290, ChEMBL-Cells:ChEMBL3308741, ChEMBL-Targets:ChEMBL1075463, CLS:300436, Cosmic:907055, Cosmic:1001653, Cosmic:1007604, Cosmic:1187274, Cosmic:1518247, Cosmic:1995440, Cosmic:2484952, Cosmic:2807625, Cosmic-CLP:907055, DepMap:ACH-000847, ECACC:94042256, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:907055, GEO:GSM552358, GEO:GSM827366, GEO:GSM844558, GEO:GSM887081, GEO:GSM888151, GEO:GSM1374533, GEO:GSM1374534, GEO:GSM1669881, GEO:GSM2983069, GEO:GSM2983070, GEO:GSM2983071, GEO:GSM2983072, IARC_TP53:21370, ICLC:HTL95028, KCB:KCB 2016001YJ, LiGeA:CCLE_106, LINCS_LDP:LCL-1882, PharmacDB:HGC27_543_2019, PRIDE:PXD030304, Progenetix:CVCL_1279, PubChem_Cell_line:CVCL_1279, RCB:RCB0500, Ubigen:YC-C079, Wikidata:Q54886004

ID: CVCL_1279

Record Creation Time: 20220427T220419+0000

Record Last Update: 20260913T004143+0000

Ratings and Alerts

No rating or validation information has been found for HGC-27.

No alerts have been found for HGC-27.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 586 mentions in open access literature.

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

Xu D, et al. (2026) LINC01106 drives gastric cancer progression and tumor immune microenvironment remodeling via the miR-361-3p/DTL axis. Cellular signalling, 141, 112395.

Günayd?n ?S, et al. (2026) Unveiling the Anticancer Potential of Verbascum aydogdui: Isolation, Characterization, and In Vitro Studies. Chemistry & biodiversity, 23(1), e03376.

Shen X, et al. (2026) A novel circSLIT2-encoded SLIT2 isoform suppresses neural invasion in gastric cancer. Oncogene, 45(31), 3181.

Fan R, et al. (2026) Integrated Electroporated-Lysis Electrochemical Platform Enables Sensitive and Rapid EV Protein and miRNA Profiling Based on Multiplex-Responsive CRISPR/Cas12a. Small (Weinheim an der Bergstrasse, Germany), e13331.

- Zhao C, et al. (2026) Ubenimex synergizes with the PD-L1 blockade in gastric cancer by competitively binding LAP3 with UBE3A. *Cell death & disease*, 17(1).
- Zhao D, et al. (2026) Ginsenoside Rh1 sensitizes gastric cancer to cuproptosis and represses immune evasion. *Free radical biology & medicine*, 250, 399.
- 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).
- Bhat N, et al. (2026) Enhancing the antitumor efficacy using a combination of FGFR4 Inhibitor (H3B-6527) and oxaliplatin in gastric cancer. *Neoplasia (New York, N.Y.)*, 71, 101257.
- Zhang J, et al. (2026) Antigen-induced IL-12 potentiates piggyBac-engineered HER2-CAR-T cells against gastric cancer. *International immunopharmacology*, 175, 116453.
- Liu W, et al. (2026) SEVs-carried ENPP1 regulates DCs' activation and inhibits the formation of tertiary lymphoid structures in gastric cancer. *Journal of gastroenterology*.
- Liao XL, et al. (2026) Targeting BRD4 in gastric cancer: promoting apoptosis and suppressing tumor progression. *Frontiers in pharmacology*, 17, 1835830.
- Lu Y, et al. (2026) GAL3ST1-Mediated Histone Tyrosine Sulfation Induced by Cancer-Associated Fibroblasts Promotes Gastric Cancer Metastasis. *Cancer research*, 86(10), 2429.
- Tao Y, et al. (2026) TENT5A Maintains MYC mRNA Stability to Enhance Osteosarcoma Stemness. *Cancer research*, 86(9), 2161.
- He J, et al. (2026) UBE2B Drives NF- κ B Signaling and Gastric Cancer Progression through BIRC2-Mediated K63-Linked Ubiquitination of TRAF1. *Molecular cancer research : MCR*, 24(6), 487.
- Fang C, et al. (2026) Base Editing of TIGIT Reprograms CD155 Signaling in Natural Killer Cells to Enhance Cancer Immunotherapy Efficacy. *Cancer research*, 86(8), 1956.
- Yan Y, et al. (2026) Orientin inhibits cyclin E/cyclin A-CDK2 to induce growth arrest at senescence in human gastric cancer cells. *Food and chemical toxicology : an international journal published for the British Industrial Biological Research Association*, 215, 116227.
- Ada SK, et al. (2026) TMEM97 regulates cholesterol biosynthesis and mitochondrial metabolism in gastric carcinoma. *iScience*, 29(8), 116773.
- Wang T, et al. (2026) GNE-493 suppresses gastric cancer development by targeting NAT10-mediated ac4C modification of HK2. *Cellular signalling*, 143, 112441.
- Li Y, et al. (2026) The sulfonamide anticancer agent indisulam enhances the chemosensitivity of gastric cancer cells by targeting FKBP8. *The FEBS journal*.
- Li L, et al. (2026) The vesicle transport gene SEC23A is a novel prognostic indicator and therapeutic target in gastric cancer. *Frontiers in oncology*, 16, 1728472.