

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

BGC-823

RRID:CVCL_3360

Type: Cell Line

Proper Citation

RRID:CVCL_3360

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3360

Proper Citation: RRID:CVCL_3360

Description: Cell line BGC-823 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Human papillomavirus-related endocervical adenocarcinoma

Defining Citation: [PMID:10374555](#), [PMID:16344271](#), [PMID:26116706](#), [PMID:28851942](#), [PMID:29717028](#), [PMID:30894373](#), [PMID:31068700](#)

Comments: Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3111C0001CCC000062, 3131C0001000700011). They were one of the sources for the STR profile of this entry., Population: African American., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a HeLa derivative (CCRID; PubMed=26116706; PubMed=28851942). Originally thought to be a gastric adenocarcinoma..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: BGC-823

Synonyms: BGC823

Cross References: BTO:BTO_0003878, CLO:CLO_0001952, CCTCC:GDC0151, Cell_Model_Passport:SIDM01938, ChEMBL-Cells:ChEMBL3307635, ChEMBL-Targets:ChEMBL614526, Cosmic:2267322, DepMap:ACH-001017, GEO:GSM828793, GEO:GSM843444, GEO:GSM1374404, IARC_TP53:24859, ICLC:HTL98007,

PharmacoDB:BGC823_90_2019, PubChem_Cell_line:CVCL_3360, Wikidata:Q54796238

ID: CVCL_3360

Hierarchy: cvcl_0030

Record Creation Time: 20220427T215359+0000

Record Last Update: 20260920T012344+0000

Ratings and Alerts

No rating or validation information has been found for BGC-823.

Warning: Problematic cell line: Contaminated. Shown to be a HeLa derivative (CCRID; PubMed=26116706; PubMed=28851942). Originally thought to be a gastric adenocarcinoma.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00570.

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 765 mentions in open access literature.

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

Yu S, et al. (2026) Tumor-Derived Exosomal TAGLN2 Promotes Metastasis by Inducing Vascular Permeability and Angiogenesis via the NRP1/SEMA4D/YAP Axis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(29), e21962.

Wei D, et al. (2026) OSMR coordinates a self-perpetuating circuit linking chemoresistance and neutrophil-driven immunosuppression in gastric cancer. Neoplasia (New York, N.Y.),

73, 101279.

Li B, et al. (2025) Manipulating the cGAS-STING Axis: advancing innovative strategies for osteosarcoma therapeutics. *Frontiers in immunology*, 16, 1539396.

Li K, et al. (2025) PICK1 modulates the proliferation and migration of gastric cancer cells by regulating TLR4. *Journal of Zhejiang University. Science. B*, 27(1), 58.

Weiskirchen R, et al. (2025) Misidentified cell lines: failures of peer review, varying journal responses to misidentification inquiries, and strategies for safeguarding biomedical research. *Research integrity and peer review*, 10(1), 12.

Wang H, et al. (2025) STBD1 mediates the crosstalk between glycogen and lipid droplets in clear cell renal cell carcinoma. *Cell reports*, 44(10), 116429.

, et al. (2025) RETRACTION: ENKUR Recruits FBXW7 to Ubiquitinate and Degrade MYH9 and Further Suppress MYH9-Induced Deubiquitination of β -Catenin to Block Gastric Cancer Metastasis. *MedComm*, 6(3), e70160.

Liu K, et al. (2024) HMGB1 in exosomes derived from gastric cancer cells induces M2-like macrophage polarization by inhibiting the NF- κ B signaling pathway. *Cell biology international*, 48(3), 334.

Cao T, et al. (2024) Cancer SLC6A6-mediated taurine uptake transactivates immune checkpoint genes and induces exhaustion in CD8⁺ T cells. *Cell*, 187(9), 2288.

Wang J, et al. (2023) *Helicobacter pylori* CagA promotes immune evasion of gastric cancer by upregulating PD-L1 level in exosomes. *iScience*, 26(12), 108414.

Lu X, et al. (2023) Integrated proteome and phosphoproteome analysis of gastric adenocarcinoma reveals molecular signatures capable of stratifying patient outcome. *Molecular oncology*, 17(2), 261.

Li T, et al. (2023) GIPC1 promotes tumor growth and migration in gastric cancer via activating PDGFR/PI3K/AKT signaling. *Oncology research*, 32(2), 361.

Zou J, et al. (2023) WWP2 drives the progression of gastric cancer by facilitating the ubiquitination and degradation of LATS1 protein. *Cell communication and signaling : CCS*, 21(1), 38.

Yang F, et al. (2023) CircNFATC3 promotes the proliferation of gastric cancer through binding to IGF2BP3 and restricting its ubiquitination to enhance CCND1 mRNA stability. *Journal of translational medicine*, 21(1), 402.

Kuang Z, et al. (2023) Silencing of circ_002136 sensitizes gastric cancer to paclitaxel by targeting the miR-16-5p/HMGA1 axis. *Open medicine (Warsaw, Poland)*, 18(1), 20220625.

Guo Q, et al. (2023) Integrated pan-cancer analysis and experimental verification of the roles of tropomyosin 4 in gastric cancer. *Frontiers in immunology*, 14, 1148056.

Zhang C, et al. (2023) The NR_109/FUBP1/c-Myc axis regulates TAM polarization and remodels the tumor microenvironment to promote cancer development. *Journal for*

immunotherapy of cancer, 11(5).

Qin H, et al. (2023) High expression of serine protease 2 (PRSS2) associated with invasion, metastasis, and proliferation in gastric cancer. *Aging*, 15(7), 2473.

Zhang C, et al. (2023) Centrosomal protein 120 promotes centrosome amplification and gastric cancer progression via USP54-mediated deubiquitination of PLK4. *iScience*, 26(1), 105745.

Xu H, et al. (2023) The natural product dehydrocurvularin induces apoptosis of gastric cancer cells by activating PARP-1 and caspase-3. *Apoptosis : an international journal on programmed cell death*, 28(3-4), 525.