

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

GCT

RRID:CVCL_1229

Type: Cell Line

Proper Citation

RRID:CVCL_1229

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1229

Proper Citation: RRID:CVCL_1229

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

Sex: Male

Disease: Undifferentiated pleomorphic sarcoma

Defining Citation: [PMID:304748](#), [PMID:6299509](#), [PMID:7689482](#), [PMID:12068308](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:35839778](#)

Comments: Population: Caucasian., Part of: Tumor Immunology Bank (TIB) collection from Salk (transferred to ATCC in 1981)., 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: GCT

Synonyms: Giant Cell Tumor, UR-HCL-1, University of Rochester-Human Cell Line-1

Cross References: CLO:CLO_0003464, EFO:EFO_0002182, CLDB:cl1445, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:TIB-223, BCRC:60474, BioSample:SAMN03471887, BioSample:SAMN10987909, cancercellines:CVCL_1229, Cell_Model_Passport:SIDM00853, ChEMBL-Cells:ChEMBL3308471, ChEMBL-Targets:ChEMBL1075448, CLS:300155, Cosmic:684227, Cosmic:906999, Cosmic-

CLP:906999, DepMap:ACH-000835, EGA:EGAS00001000978, FANTOM5_SSTAR:10711-109H9, GDSC:906999, GEO:GSM184402, GEO:GSM184403, GEO:GSM827496, GEO:GSM887022, GEO:GSM888092, GEO:GSM1669807, IARC_TP53:21341, IGRhCellID:GCT, IZSLER:BS TCL 94, LiGeA:CCLE_019, LINCS_LDP:LCL-1752, PharmacoDB:GCT_401_2019, PRIDE:PXD030304, Progenetix:CVCL_1229, PubChem_Cell_line:CVCL_1229, Wikidata:Q54835514

ID: CVCL_1229

Record Creation Time: 20220427T215858+0000

Record Last Update: 20260905T175350+0000

Ratings and Alerts

No rating or validation information has been found for GCT.

No alerts have been found for GCT.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Schofield JH, et al. (2024) Acod1 expression in cancer cells promotes immune evasion through the generation of inhibitory peptides. Cell reports, 43(4), 113984.

Freeland J, et al. (2024) Genetic Screen in a Preclinical Model of Sarcoma Development Defines Drivers and Therapeutic Vulnerabilities. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(21), 4957.

Tessaro FHG, et al. (2022) Single-cell RNA-seq of a soft-tissue sarcoma model reveals the critical role of tumor-expressed MIF in shaping macrophage heterogeneity. Cell reports, 39(12), 110977.