

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 12, 2025

GIST-T1

RRID:CVCL_4976

Type: Cell Line

Proper Citation

(RRID:CVCL_4976)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4976

Proper Citation: (RRID:CVCL_4976)

Sex: Female

Defining Citation: [PMID:12004007](#), [PMID:16077968](#), [PMID:19706776](#), [PMID:22665524](#), [PMID:23716303](#), [PMID:25239608](#), [PMID:27997714](#), [PMID:29866822](#), [PMID:32736695](#), [PMID:34738628](#)

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: H3K27ac ChIP-seq epigenome analysis., Omics: Deep tyrosine phosphoproteome analysis., Omics: Deep exome analysis., Omics: Chromatin accessibility by ATAC-seq., Population: Japanese., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Name: GIST-T1

Synonyms: GIST-T-1, GISTT1, T1

Cross References: ChEMBL-Cells:CHEMBL4482986, ChEMBL-Targets:CHEMBL4483238, Cosmic:1029465, Cosmic:1873953, Cosmic:2607430, Cosmic:2805388, DepMap:ACH-002332, GEO:GSM1701539, GEO:GSM2527248, GEO:GSM2527250, GEO:GSM2527251, GEO:GSM2527316, GEO:GSM2527317, GEO:GSM2527318, GEO:GSM2527319, GEO:GSM3070588, PubChem_Cell_line:CVCL_4976, Wikidata:Q54835846

ID: CVCL_4976

Record Creation Time: 20220427T215902+0000

Record Last Update: 20250420T110132+0000

Ratings and Alerts

No rating or validation information has been found for GIST-T1.

No alerts have been found for GIST-T1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Teuber A, et al. (2024) Avapritinib-based SAR studies unveil a binding pocket in KIT and PDGFRA. Nature communications, 15(1), 63.

Takaki EO, et al. (2024) A PDE3A-SLFN12 Molecular Glue Exhibits Significant Antitumor Activity in TKI-Resistant Gastrointestinal Stromal Tumors. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(16), 3603.

Teranishi R, et al. (2023) Combination of pimitespib (TAS-116) with sunitinib is an effective therapy for imatinib-resistant gastrointestinal stromal tumors. International journal of cancer, 152(12), 2580.

Hemming ML, et al. (2022) MOZ and Menin-MLL Complexes Are Complementary Regulators of Chromatin Association and Transcriptional Output in Gastrointestinal Stromal Tumor. Cancer discovery, 12(7), 1804.

Hemming ML, et al. (2021) HAND1 and BARX1 Act as Transcriptional and Anatomic Determinants of Malignancy in Gastrointestinal Stromal Tumor. Clinical cancer research : an official journal of the American Association for Cancer Research, 27(6), 1706.

Hemming ML, et al. (2019) Enhancer Domains in Gastrointestinal Stromal Tumor Regulate KIT Expression and Are Targetable by BET Bromodomain Inhibition. Cancer research, 79(5), 994.

Smith BD, et al. (2019) Ripretinib (DCC-2618) Is a Switch Control Kinase Inhibitor of a Broad Spectrum of Oncogenic and Drug-Resistant KIT and PDGFRA Variants. Cancer cell, 35(5), 738.