

Resource Summary Report

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

GC-1spg

RRID:CVCL_8872

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2053, RRID:CVCL_8872

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_8872

Proper Citation: ATCC Cat# CRL-2053, RRID:CVCL_8872

Description: Cell line GC-1spg is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Male

Defining Citation: [PMID:1322317](#)

Category: Transformed cell line

Organism: Mus musculus (Mouse)

Name: GC-1spg

Synonyms: GC-1 spg, GC-1, GC1-SPG

Cross References: BTO:BTO_0006321, CLO:CLO_0003457, ATCC:CRL-2053, BCRC:60312, CCRID:5301MOU-KCB16078YJ, CLS:300375, KCB:KCB 2016078YJ, NCBI_Iran:C164, PRIDE:PXD002593, Wikidata:Q54835482

ID: CVCL_8872

Vendor: ATCC

Catalog Number: CRL-2053

Record Creation Time: 20250130T071147+0000

Record Last Update: 20260920T011339+0000

Ratings and Alerts

No rating or validation information has been found for GC-1spg.

No alerts have been found for GC-1spg.

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 [NIF](#) .

Zhou J, et al. (2026) Gut-derived succinic acid potentiates high-altitude-related spermatogenesis dysfunction. *Cell host & microbe*, 34(1), 52.

Boisen IM, et al. (2025) Changes in local mineral homeostasis facilitate the formation of benign and malignant testicular microcalcifications. *eLife*, 13.

Kim SG, et al. (2025) Triflumizole induces excessive reactive oxygen species, inhibits the GPR30/PI3K/AKT pathway, and triggers apoptosis and autophagy in GC-1 spermatogonia cells. *Pesticide biochemistry and physiology*, 213, 106486.

Chen J, et al. (2024) CENP-E haploinsufficiency causes chromosome misalignment and spindle assembly checkpoint activation in the spermatogonia. *Andrology*.

He J, et al. (2022) piRNA-guided intron removal from pre-mRNAs regulates density-dependent reproductive strategy. *Cell reports*, 39(4), 110593.

Tan K, et al. (2021) RHOX10 drives mouse spermatogonial stem cell establishment through a transcription factor signaling cascade. *Cell reports*, 36(3), 109423.

Zagore LL, et al. (2018) DAZL Regulates Germ Cell Survival through a Network of PolyA-Proximal mRNA Interactions. *Cell reports*, 25(5), 1225.