

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

RSC96

RRID:CVCL_4694

Type: Cell Line

Proper Citation

CLS Cat# 305202, RRID:CVCL_4694

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4694

Proper Citation: CLS Cat# 305202, RRID:CVCL_4694

Description: Cell line RSC96 is a Spontaneously immortalized cell line with a species of origin Rattus norvegicus (Rat)

Sex: Sex unspecified

Defining Citation: [PMID:9766530](#), [PMID:12210843](#), [PMID:22519560](#), [PMID:29034641](#)

Category: Spontaneously immortalized cell line

Organism: Rattus norvegicus (Rat)

Name: RSC96

Synonyms: Rsc96, RSC-96, RSC 96, Rat Schwann Cell 96

Cross References: BTO:BTO_0004777, CLO:CLO_0008886, ATCC:CRL-2765, BCRC:60507, CCRID:1101RAT-PUMC000664, CCRID:3101RATGNR6, CLS:305202, GEO:GSE69866, Wikidata:Q54951329

ID: CVCL_4694

Vendor: CLS

Catalog Number: 305202

Record Creation Time: 20220923T071519+0000

Record Last Update: 20260905T183026+0000

Ratings and Alerts

No rating or validation information has been found for RSC96.

No alerts have been found for RSC96.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Zhou D, et al. (2026) Stepwise Regulation of Cellular Oxidative Stress via Conductive-Piezoelectric Integrated Microstructured Conduits for Enhanced Nerve Regeneration. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(13), e16124.

Hao Z, et al. (2026) Hypoxia-induced Schwann cells-derived extracellular vesicles carrying LncRNA TNXA-PS1 promote recovery post sciatic nerve injury. Communications biology, 9(1).

Che H, et al. (2025) Neuronal TRPV1-CGRP axis regulates peripheral nerve regeneration through ERK/HIF-1 signaling pathway. Journal of neurochemistry, 169(1), e16281.

Su Y, et al. (2025) Isoviolanthin promotes Schwann cells activity in peripheral nerve regeneration via Fhl3-mediated epithelial-mesenchymal transition-like process: An in vitro study. Heliyon, 11(1), e41087.

Liu G, et al. (2025) ARA290, an alternative of erythropoietin, inhibits activation of NLRP3 inflammasome in schwann cells after sciatic nerve injury. European journal of pharmacology, 997, 177610.

Huang J, et al. (2025) Neurophilic Biomimetic Lipoprotein-Mediated Targeted Nerve Growth Factor Delivery for Traumatic Brain Injury Therapy. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e09405.

Liu Y, et al. (2025) ITGA5-expressing tumor cells interact with Schwann cells to drive nerve growth factor-mediated immunosuppression of NK cells. Molecular therapy : the journal of the American Society of Gene Therapy.

Kita A, et al. (2024) An in vitro model for postoperative cranial nerve dysfunction and a proposed method of rehabilitation with N-acetylcysteine microparticles. European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery, 281(7), 3805.

Cheng H, et al. (2024) Electrical stimulation with polypyrrole-coated polycaprolactone/silk fibroin scaffold promotes sacral nerve regeneration by modulating macrophage polarisation. Biomaterials translational, 5(2), 157.

Pan B, et al. (2023) Long noncoding RNA Pvt1 promotes the proliferation and migration of Schwann cells by sponging microRNA-214 and targeting c-Jun following peripheral nerve injury. *Neural regeneration research*, 18(5), 1147.

Chu H, et al. (2023) Harnessing decellularised extracellular matrix microgels into modular bioinks for extrusion-based bioprinting with good printability and high post-printing cell viability. *Biomaterials translational*, 4(2), 115.

Li W, et al. (2023) The CXCL12-CXCR4-NLRP3 axis promotes Schwann cell pyroptosis and sciatic nerve demyelination in rats. *Clinical and experimental immunology*, 214(2), 219.

Xu W, et al. (2022) Sustained delivery of vascular endothelial growth factor mediated by bioactive methacrylic anhydride hydrogel accelerates peripheral nerve regeneration after crush injury. *Neural regeneration research*, 17(9), 2064.

Muscella A, et al. (2020) TGF- β 1 activates RSC96 Schwann cells migration and invasion through MMP-2 and MMP-9 activities. *Journal of neurochemistry*, 153(4), 525.