

Resource Summary Report

Generated by [dkNET](#) on Aug 24, 2026

RSC96

RRID:CVCL_4694

Type: Cell Line

Proper Citation

BCRC Cat# 60507, RRID:CVCL_4694

Cell Line Information

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

Proper Citation: BCRC Cat# 60507, 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: BCRC

Catalog Number: 60507

Record Creation Time: 20220427T221508+0000

Record Last Update: 20260815T235656+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 [dkNET](#) .

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.