

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

S2R+

RRID:CVCL_Z831

Type: Cell Line

Proper Citation

RRID:CVCL_Z831

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_Z831

Proper Citation: RRID:CVCL_Z831

Description: Cell line S2R+ is a Spontaneously immortalized cell line with a species of origin *Drosophila melanogaster* (Fruit fly)

Sex: Male

Defining Citation: [PMID:9822716](#), [PMID:21177962](#), [PMID:24434506](#), [PMID:24985917](#), [PMID:25262759](#), [PMID:33028628](#), [PMID:36156149](#)

Comments: Part of: modENCODE project cell lines., Group: Insect cell line.

Category: Spontaneously immortalized cell line

Organism: *Drosophila melanogaster* (Fruit fly)

Name: S2R+

Cross References: EFO:EFO_0005837, BioGRID_ORCS_Cell_line:795, DGRC:150, ENCODE:ENCBS016VBB, ENCODE:ENCBS029XZY, ENCODE:ENCBS045RXQ, ENCODE:ENCBS050FWY, ENCODE:ENCBS058XTV, ENCODE:ENCBS085GBT, ENCODE:ENCBS109IMN, ENCODE:ENCBS123YPM, ENCODE:ENCBS147REE, ENCODE:ENCBS160PDG, ENCODE:ENCBS168YHL, ENCODE:ENCBS175MAB, ENCODE:ENCBS180YAR, ENCODE:ENCBS183BXZ, ENCODE:ENCBS198NAV, ENCODE:ENCBS206XLR, ENCODE:ENCBS216ZWI, ENCODE:ENCBS222QPU, ENCODE:ENCBS239ENL, ENCODE:ENCBS258AUT, ENCODE:ENCBS264KCT, ENCODE:ENCBS282ENR, ENCODE:ENCBS289LAN, ENCODE:ENCBS291KVV, ENCODE:ENCBS291YGW, ENCODE:ENCBS307DLP, ENCODE:ENCBS320ZJJ, ENCODE:ENCBS343PSJ, ENCODE:ENCBS355XFZ, ENCODE:ENCBS356VJX, ENCODE:ENCBS361LVA, ENCODE:ENCBS382JGX, ENCODE:ENCBS410HWM, ENCODE:ENCBS427TQS, ENCODE:ENCBS430DSP, ENCODE:ENCBS437QNC,

ENCODE:ENCBS450TBB, ENCODE:ENCBS475GAU, ENCODE:ENCBS483AEE, ENCODE:ENCBS485JLN, ENCODE:ENCBS501DBP, ENCODE:ENCBS510QWA, ENCODE:ENCBS549VKG, ENCODE:ENCBS550EXK, ENCODE:ENCBS550RIA, ENCODE:ENCBS552ENG, ENCODE:ENCBS570HGS, ENCODE:ENCBS599XAS, ENCODE:ENCBS610HCG, ENCODE:ENCBS612RWZ, ENCODE:ENCBS618PRZ, ENCODE:ENCBS628PBB, ENCODE:ENCBS640HBS, ENCODE:ENCBS645OJF, ENCODE:ENCBS663YGH, ENCODE:ENCBS666UDJ, ENCODE:ENCBS678BAN, ENCODE:ENCBS690VKC, ENCODE:ENCBS693XWV, ENCODE:ENCBS696XGH, ENCODE:ENCBS727TWQ, ENCODE:ENCBS731WMM, ENCODE:ENCBS795QWY, ENCODE:ENCBS805GFV, ENCODE:ENCBS829XOI, ENCODE:ENCBS856IMY, ENCODE:ENCBS858WYB, ENCODE:ENCBS866VOG, ENCODE:ENCBS880CBQ, ENCODE:ENCBS921AAA, ENCODE:ENCBS934YGZ, ENCODE:ENCBS937EMZ, ENCODE:ENCBS937JLS, ENCODE:ENCBS955EPE, ENCODE:ENCBS980MVL, ENCODE:ENCBS991BPZ, ENCODE:ENCBS999YIX, FlyBase_Cell_line:FBtc0000150, Wikidata:Q54951886

ID: CVCL_Z831

Hierarchy: cvcl_z232

Record Creation Time: 20220427T221513+0000

Record Last Update: 20260815T235712+0000

Ratings and Alerts

No rating or validation information has been found for S2R+.

No alerts have been found for S2R+.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 237 mentions in open access literature.

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

Suito T, et al. (2026) Ether phospholipids modulate somatosensory responses by tuning multiple receptor functions in *Drosophila*. *iScience*, 29(4), 115209.

Capek M, et al. (2026) Coordinated molecular and physiological adaptations enable activity at sub-freezing temperatures in the snow fly *Chionea alexandriana*. *Current biology : CB*, 36(7), 1825.

Hamilton W, et al. (2026) *Wolbachia* uses ankyrin repeats to target specific fly proteins. *mBio*, 17(5), e0017226.

Ma?szycki M, et al. (2026) Nuclear speckles enable processing of RNA from GC-rich isochores. *Cell*, 189(7), 2024.

Lu W, et al. (2026) To Be or Not to Be an Oocyte: Msps/XMAP215 Controls Oocyte Cell Fate in the *Drosophila* Ovary. *bioRxiv : the preprint server for biology*.

Nath VR, et al. (2025) Ca²⁺ binding to Esyt modulates membrane contact site density in *Drosophila* photoreceptors. *The Journal of cell biology*, 224(5).

Duncalf L, et al. (2025) PNUTS:PP1 recruitment to Tox4 regulates chromosomal dispersal in *Drosophila* germline development. *Cell reports*, 44(5), 115693.

Meng Z, et al. (2025) Neurexin regulates mechanical nociceptive sensitization by central inhibition in *Drosophila*. *Science advances*, 11(51), eadz9682.

Boda A, et al. (2025) The Rab7-Epg5 and Rab39-ema modules cooperatively position autophagosomes for efficient lysosomal fusions. *eLife*, 13.

Sutcliffe C, et al. (2025) Ovarian germline stem cell dedifferentiation is cytoneme dependent. *Proceedings of the National Academy of Sciences of the United States of America*, 122(35), e2426145122.

Andresen S, et al. (2025) Improved detection of lipidated Atg8a by immunoblotting in *Drosophila melanogaster* cells and tissues enables precise investigation of Atg8a flux and its termination. *Autophagy*, 1.

Hilu-Dadia R, et al. (2025) Santa-maria is a glial phagocytic receptor that acts with SIMU to recognize and engulf apoptotic neurons. *Cell reports*, 44(1), 115201.

Hamilton W, et al. (2025) Wolbachia uses ankyrin repeats to target specific fly proteins. *bioRxiv : the preprint server for biology*.

Zheng K, et al. (2025) Mask protein keeps NF- κ B precursor inactive by inducing a closed conformation and isolating it in biomolecular condensates. *Cell reports*, 44(9), 116225.

Madan A, et al. (2024) Atg8/LC3 controls systemic nutrient surplus signaling in flies and humans. *Current biology : CB*, 34(15), 3327.

Tonelli A, et al. (2024) Protocol for detecting genomic insulators in *Drosophila* using insulator-seq, a massively parallel reporter assay. *STAR protocols*, 5(4), 103391.

Tonelli A, et al. (2024) Systematic screening of enhancer-blocking insulators in *Drosophila* identifies their DNA sequence determinants. *Developmental cell*.

Yang Y, et al. (2024) Innate immune and proinflammatory signals activate the Hippo pathway via a Tak1-STRIPAK-Tao axis. *Nature communications*, 15(1), 145.

Lee KT, et al. (2024) Comparative interactome analysis of β -arrestin families in human and *Drosophila*. *eLife*, 12.

Guo P, et al. (2024) PI4P-mediated solid-like Merlin condensates orchestrate Hippo pathway regulation. *Science (New York, N.Y.)*, 385(6709), eadf4478.