

Resource Summary Report

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HTR-8/SVneo

RRID:CVCL_7162

Type: Cell Line

Proper Citation

CLS Cat# 305221, RRID:CVCL_7162

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_7162

Proper Citation: CLS Cat# 305221, RRID:CVCL_7162

Description: Cell line HTR-8/SVneo is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Sex unspecified

Defining Citation: [PMID:7684692](#), [PMID:23325432](#), [PMID:28161053](#), [PMID:33096371](#), [PMID:33810901](#)

Comments: Karyotypic information: Near triploid karyotype (PubMed=33096371)., Characteristics: Contains both epithelial and mesenchymal-like cell populations (PubMed=28161053)., Characteristics: Useful to study trophoblast and placental biology (ATCC=CRL-3271)., Part of: ENCODE project common cell types; tier 3.

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HTR-8/SVneo

Synonyms: HTR-8/SV neo, HTR-8/SV-neo, HTR8/SVneo, HTR8svn

Cross References: BTO:BTO_0004125, EFO:EFO_0005709, ATCC:CRL-3271, CLS:305221, ENCODE:ENCBS331AAA, GEO:GSM816644, TOKU-E:4099, Ubigene:YC-C050, Wikidata:Q54896677

ID: CVCL_7162

Vendor: CLS

Catalog Number: 305221

Hierarchy: cvcl_d728

Record Creation Time: 20250130T071932+0000

Record Last Update: 20260830T001628+0000

Ratings and Alerts

No rating or validation information has been found for HTR-8/SVneo.

No alerts have been found for HTR-8/SVneo.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 678 mentions in open access literature.

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

Sun ?? Y, et al. (2026) Environmental ciprofloxacin triggers pregnancy loss: senescence-driven miscarriage via TRIM21-mediated MFF degradation. EBioMedicine, 125, 106146.

Jiang N, et al. (2026) TP53BP2 Promotes Placental Autophagy and Preeclampsia via G9a and DNMT1 Cooperatively Modulating E2F1. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(10), e16408.

Santander GN, et al. (2026) Framework for evaluating in vitro vasculogenic mimicry using structural and metabolic parameters. Cell reports methods, 101515.

Li W, et al. (2026) IL-8-driven neutrophil NETosis triggers endothelial apoptosis and exacerbates preeclampsia. Journal of translational medicine, 24(1).

Menkhorst E, et al. (2026) Multi-Omics Reveals Early Pregnancy Placental Dysfunction Associated With Preterm and Term Preeclampsia. MedComm, 7(6), e70784.

Zhang W, et al. (2026) Exposure to high doses of tyre antioxidant 6PPD causes senescence to induce unexplained miscarriage by suppressing BAZ1B-mediated ubiquitination degradation of P21. EBioMedicine, 128, 106315.

Yoshida K, et al. (2026) DHODH regulates trophoblast fusion via IFITM-reduced plasma membrane fluidity: Implications for hypertensive disorders of pregnancy. iScience, 29(6), 116163.

Huang B, et al. (2026) Caspase-3/GSDME-Mediated Trophoblast Pyroptosis and Reciprocal Macrophage Polarization Contribute to Inflammation in Early-Onset Preeclampsia. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(18), e16948.

Song G, et al. (2026) Excessive Kynurenine Metabolism Impairs Lysosomal acidification and Triggers mtDNA Release via the AHR/CISH/ATP6V1A Axis in Decidual Macrophages Associated with Unexplained Recurrent Pregnancy Loss. *International journal of biological sciences*, 22(2), 895.

Merech F, et al. (2026) Pregnancy-associated metabolic adaptations in circulating monocytes and macrophages favor clearance functions. *Frontiers in immunology*, 17, 1786324.

Zhang X, et al. (2026) Downregulation of the biological macromolecule Spondin-2 disrupts maternal-fetal immune tolerance and trophoblast invasion, driving unexplained recurrent pregnancy loss. *International journal of biological macromolecules*, 338(Pt 1), 149672.

Fei H, et al. (2026) HRS Degradation-Induced Nicotinamide Deficiency in Placental Extracellular Vesicles Triggers Preeclampsia by Disrupting Maternal-Fetal Immune Homeostasis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(11), e10188.

Jiang N, et al. (2025) The Effect of FPR2 on the Regulation of Trophoblast Autophagy via the PI3K/AKT/mTOR Signaling Pathway in Preeclampsia. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(11), e70697.

Hosking MP, et al. (2025) Preferential tumor targeting of HER2 by iPSC-derived CAR T cells engineered to overcome multiple barriers to solid tumor efficacy. *Cell stem cell*, 32(7), 1087.

Wang M, et al. (2025) Interactive effects of Bisphenol F exposure and TLR4 rs4986790 on unexplained miscarriage. *EBioMedicine*, 121, 105968.

Liu CC, et al. (2025) β -adrenergic agonist counters oxidative stress and Na⁺-K⁺ pump inhibitory S-glutathionylation of placental cells: implications for preeclampsia. *American journal of physiology. Cell physiology*, 328(1), C27.

Lv J, et al. (2025) Gestational exposure to PM2.5 impaired cardiac development through ANGPTL4-mediated mitochondrial metabolic dysfunction. *Journal of advanced research*.

Hu C, et al. (2024) Endometrial BMP2 Deficiency Impairs ITGB3-Mediated Trophoblast Invasion in Women With Repeated Implantation Failure. *Endocrinology*, 165(3).

Zhang S, et al. (2024) ZIKV induces P62-mediated autophagic degradation of TRAF6 through TRAF6-NS1 interaction. *iScience*, 27(9), 110757.

Merech F, et al. (2024) Monocyte immunometabolic reprogramming in human pregnancy: contribution of trophoblast cells. *American journal of physiology. Endocrinology and metabolism*, 326(3), E215.