

# Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

## HTR-8/SVneo

RRID:CVCL\_7162

Type: Cell Line

---

### Proper Citation

Ubigen Cat# YC-C050, RRID:CVCL\_7162

---

### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_7162](https://web.expasy.org/cellosaurus/CVCL_7162)

**Proper Citation:** Ubigen Cat# YC-C050, 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, Ubigen:YC-C050, Wikidata:Q54896677

**ID:** CVCL\_7162

**Vendor:** Ubigen

**Catalog Number:** YC-C050

**Hierarchy:** cvcl\_d728

**Record Creation Time:** 20250130T071932+0000

**Record Last Update:** 20260904T020909+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](#) .

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.

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

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).

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.

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

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.

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

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.

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)  $\beta$ -adrenergic agonist counters oxidative stress and Na<sup>+</sup>-K<sup>+</sup> 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) Vasoactive intestinal peptide induces metabolic rewiring of human-derived cytotrophoblast cells to promote cell migration. *Biochimica et biophysica acta. Molecular cell research*, 1872(2), 119886.