

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

EndoC-betaH1

RRID:CVCL_L909

Type: Cell Line

Proper Citation

RRID:CVCL_L909

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_L909

Proper Citation: RRID:CVCL_L909

Description: Cell line EndoC-betaH1 is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:21865645](#), [PMID:21865653](#), [PMID:25803449](#), [PMID:25822155](#), [PMID:26901817](#), [PMID:29307512](#), [PMID:30251567](#), [PMID:31976379](#)

Comments: Miscellaneous: Sex assignment derived from omics analysis., Virology: Contains an integrated xenotropic MuLV-related virus (XMRV) Bxv-1 (PubMed=26901817)., Characteristics: Secretes insulin in response to glucose challenge.

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: EndoC-betaH1

Synonyms: EndoC-BH1

Cross References: GEO:GSE118588, GEO:GSM7029168, GEO:GSM7029169, GEO:GSM7029170, GEO:GSM7029171, GEO:GSM7029172, PRIDE:PXD027920, Wikidata:Q54832322

ID: CVCL_L909

Record Creation Time: 20220427T215833+0000

Record Last Update: 20260905T175300+0000

Ratings and Alerts

No rating or validation information has been found for EndoC-betaH1.

No alerts have been found for EndoC-betaH1.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Bellofatto K, et al. (2026) Implantable vascularized endocrine constructs for clinically scalable insulin delivery. Trends in biotechnology.

Walth-Hummel AA, et al. (2026) TBL1X/TBL1XR1 govern β -cell identity through a PAX6-containing gene regulatory network. Nature communications, 17(1).

Nan J, et al. (2026) Single-cell perturbations decipher ribosomal stress-surveillance regulators in type 2 diabetes. Nature metabolism.

Roca-Rivada A, et al. (2025) The type 1 diabetes candidate genes PTPN2 and BACH2 regulate the IFN- γ -induced crosstalk between JAK/STAT and MAPKs pathways in human beta cells. EBioMedicine, 120, 105932.

Vandana JJ, et al. (2025) ChemPerturb-seq screen identifies a small molecule cocktail enhancing human beta cell survival after subcutaneous transplantation. Cell stem cell, 32(8), 1299.

Rao C, et al. (2025) Beta cell extracellular vesicle PD-L1 as a novel regulator of CD8⁺ T cell activity and biomarker during the evolution of type 1 diabetes. Diabetologia, 68(2), 382.

Roy G, et al. (2025) VDAC1 is a target for pharmacologically induced insulin hypersecretion in β cells. Cell reports, 44(6), 115834.

Syed F, et al. (2025) Pharmacological inhibition of tyrosine protein-kinase 2 reduces islet inflammation and delays type 1 diabetes onset in mice. EBioMedicine, 117, 105734.

Piron A, et al. (2025) Identification of novel type 1 and type 2 diabetes genes by co-localization of human islet eQTL and GWAS variants with colocRedRibbon. Cell genomics, 101004.

Russ-Silbsby J, et al. (2025) Complete loss of PAX4 causes transient neonatal diabetes in humans. Molecular metabolism, 99, 102201.

Russ-Silbsby J, et al. (2025) Complete Loss of PAX4 causes Transient Neonatal Diabetes in Humans. medRxiv : the preprint server for health sciences.

D'Oliveira Albanus R, et al. (2025) Integrative single-cell multi-omics profiling of human pancreatic islets identifies T1D-associated genes and regulatory signals. *Cell reports*, 44(8), 116065.

Rao C, et al. (2024) Beta cell extracellular vesicle PD-L1 as a novel regulator of CD8+ T cell activity and biomarker during the evolution of Type 1 Diabetes. *bioRxiv : the preprint server for biology*.

Westholm E, et al. (2024) IGFBP7 is upregulated in islets from T2D donors and reduces insulin secretion. *iScience*, 27(9), 110767.

Perez-Serna AA, et al. (2023) BCL-XL Overexpression Protects Pancreatic β -Cells against Cytokine- and Palmitate-Induced Apoptosis. *International journal of molecular sciences*, 24(6).

Oger F, et al. (2023) Pharmacological HDAC inhibition impairs pancreatic β -cell function through an epigenome-wide reprogramming. *iScience*, 26(7), 107231.

Dos Santos RS, et al. (2023) Deucravacitinib, a tyrosine kinase 2 pseudokinase inhibitor, protects human EndoC- β H1 β -cells against proinflammatory insults. *Frontiers in immunology*, 14, 1263926.

Lee H, et al. (2023) Stress-induced β cell early senescence confers protection against type 1 diabetes. *Cell metabolism*, 35(12), 2200.

Xue D, et al. (2023) Functional interrogation of twenty type 2 diabetes-associated genes using isogenic hESC-derived β -like cells. *bioRxiv : the preprint server for biology*.

Karagiannopoulos A, et al. (2023) Glucocorticoid-mediated induction of ZBTB16 affects insulin secretion in human islets and EndoC- β H1 β -cells. *iScience*, 26(5), 106555.