

# Resource Summary Report

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

## EndoC-betaH3

RRID:CVCL\_IS72

Type: Cell Line

### Proper Citation

RRID:CVCL\_IS72

### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_IS72](https://web.expasy.org/cellosaurus/CVCL_IS72)

**Proper Citation:** RRID:CVCL\_IS72

**Description:** Cell line EndoC-betaH3 is a Conditionally immortalized cell line with a species of origin Homo sapiens (Human)

**Sex:** Sex unspecified

**Defining Citation:** [PMID:26909308](#)

**Comments:** Characteristics: The lentiviral vector insert containing the SV40 LT and hTERT can be excised by the Cre recombinase upon addition of tamixofen. Following excision of immortalizing transgenes, cell proliferation sharply decreases and in parallel there is a massive enhancement of beta cell-specific features such as increased INS gene expression.

**Category:** Conditionally immortalized cell line

**Organism:** Homo sapiens (Human)

**Name:** EndoC-betaH3

**Synonyms:** EndoC-BH3

**Cross References:** Wikidata:Q54832324

**ID:** CVCL\_IS72

**Hierarchy:** cvcl\_is71

**Record Creation Time:** 20220427T215833+0000

**Record Last Update:** 20260905T175300+0000

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## Ratings and Alerts

No rating or validation information has been found for EndoC-betaH3.

No alerts have been found for EndoC-betaH3.

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## Data and Source Information

**Source:** [Cellosaurus](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Andersen PAK, et al. (2025) Circadian synchronization differentially modifies cytokine-mediated transcriptomic remodeling and cell death in INS-1 cells and mouse islets. iScience, 28(5), 112431.

Sokolowski EK, et al. (2024) Multi-omic human pancreatic islet endoplasmic reticulum and cytokine stress response mapping provides type 2 diabetes genetic insights. Cell metabolism, 36(11), 2468.

Cuozzo F, et al. (2024) LDHB contributes to the regulation of lactate levels and basal insulin secretion in human pancreatic  $\beta$  cells. Cell reports, 43(4), 114047.

Basile G, et al. (2023) Excess pancreatic elastase alters acinar- $\beta$  cell communication by impairing the mechano-signaling and the PAR2 pathways. Cell metabolism, 35(7), 1242.