

Resource Summary Report

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EndoC-betaH2-OFP-GFZ

RRID:CVCL_A1TU

Type: Cell Line

Proper Citation

RRID:CVCL_A1TU

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A1TU

Proper Citation: RRID:CVCL_A1TU

Description: Cell line EndoC-betaH2-OFP-GFZ is a Conditionally immortalized cell line with a species of origin Homo sapiens (Human)

Sex: Sex unspecified

Defining Citation: [PMID:25259951](#)

Comments: Virology: Contains an integrated xenotropic MuLV-related virus (XMRV) Bxv-1 (from parent cell line EndoC-betaH2)., Characteristics: In this cell line the Fucci probe was produced by transducing two different constructs: LTR-mKO2/CDT1-IRES-PuroR-LTR and LTR-mAG/GMNN-IRES-ZeoR-LTR., Characteristics: Transduced with the Fucci probe which consist of the fusion of monomeric Kusabira-Orange2 (mKO2) to the ubiquitination domain of human CDT1 (AA 30-120) and monomeric AzamiGreen (mAG) to the ubiquitination domain of human geminin (AA 1-110)., 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-betaH2-OFP-GFZ

Cross References: Wikidata:Q105506832

ID: CVCL_A1TU

Hierarchy: cvcl_is71

Record Creation Time: 20220427T215833+0000

Record Last Update: 20260905T175300+0000

Ratings and Alerts

No rating or validation information has been found for EndoC-betaH2-OFP-GFZ.

No alerts have been found for EndoC-betaH2-OFP-GFZ.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.