

Resource Summary Report

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Endocells

RRID:SCR_004067

Type: Tool

Proper Citation

Endocells (RRID:SCR_004067)

Resource Information

URL: <http://www.endocells.fr/?lang=en>

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Description: This resource no longer in service. Documented on August 12, 2021. French biotech company dedicated to human endocrine cell line production with a first focus on human pancreatic beta cell. Other cell types are being prepared like glucagon cells. The material will be powerful tools for drug discovery, toxicology and cell replacement therapy. Achievements to date * Generated tumoral and non-tumoral human beta cell lines which closely resemble human primary pancreatic beta cells (using technologies which have been first developed and validated using immortalized rat beta cell lines). World first. * Established a robust technology platform which will be used to develop other human endocrine cell lines.

Abbreviations: Endocells

Synonyms: Endocells SARL, SARL Endocells

Resource Type: commercial organization

Keywords: pancreas, endocrine system, replacement cell therapy, glucagon, drug discovery, toxicology, pancreatic beta cell, cell line, human endocrine cell line, beta cell, glucagon cell, tumor

Funding:

Resource Name: Endocells

Resource ID: SCR_004067

Alternate IDs: nlx_158504

Record Creation Time: 20220129T080222+0000

Record Last Update: 20250420T014206+0000

Ratings and Alerts

No rating or validation information has been found for Endocells.

No alerts have been found for Endocells.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Chong ACN, et al. (2024) Checkpoint kinase 2 controls insulin secretion and glucose homeostasis. *Nature chemical biology*, 20(5), 566.

Rottner AK, et al. (2023) A genome-wide CRISPR screen identifies CALCOCO2 as a regulator of beta cell function influencing type 2 diabetes risk. *Nature genetics*, 55(1), 54.

Felsky D, et al. (2023) The Caribbean-Hispanic Alzheimer's disease brain transcriptome reveals ancestry-specific disease mechanisms. *Neurobiology of disease*, 176, 105938.

Cheung P, et al. (2023) [18F]MK-7246 for Positron Emission Tomography Imaging of the Beta-Cell Surface Marker GPR44. *Pharmaceutics*, 15(2).

Ofori JK, et al. (2022) The highly expressed calcium-insensitive synaptotagmin-11 and synaptotagmin-13 modulate insulin secretion. *Acta physiologica (Oxford, England)*, 236(1), e13857.

Lin H, et al. (2021) IP6-assisted CSN-COP1 competition regulates a CRL4-ETV5 proteolytic checkpoint to safeguard glucose-induced insulin secretion. *Nature communications*, 12(1), 2461.

Esguerra JLS, et al. (2020) Glucocorticoid induces human beta cell dysfunction by involving riborepressor GAS5 LincRNA. *Molecular metabolism*, 32, 160.

Luan C, et al. (2019) The calcium channel subunit gamma-4 is regulated by MafA and

necessary for pancreatic beta-cell specification. *Communications biology*, 2, 106.

Zhou T, et al. (2018) A hPSC-based platform to discover gene-environment interactions that impact human β -cell and dopamine neuron survival. *Nature communications*, 9(1), 4815.

Thurner M, et al. (2018) Integration of human pancreatic islet genomic data refines regulatory mechanisms at Type 2 Diabetes susceptibility loci. *eLife*, 7.

Ofori JK, et al. (2017) Confluence does not affect the expression of miR-375 and its direct targets in rat and human insulin-secreting cell lines. *PeerJ*, 5, e3503.

Salunkhe VA, et al. (2017) MiR-335 overexpression impairs insulin secretion through defective priming of insulin vesicles. *Physiological reports*, 5(21).

Andersson LE, et al. (2015) Characterization of stimulus-secretion coupling in the human pancreatic EndoC- β H1 beta cell line. *PloS one*, 10(3), e0120879.

Gaulton KJ, et al. (2015) Genetic fine mapping and genomic annotation defines causal mechanisms at type 2 diabetes susceptibility loci. *Nature genetics*, 47(12), 1415.

Fanelli RR, et al. (2015) Dopamine D1 receptor blockade impairs alcohol seeking without reducing dorsal striatal activation to cues of alcohol availability. *Brain and behavior*, 5(2), e00305.