Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

MIN6

RRID:CVCL_0431
Type: Cell Line

Proper Citation

(BCRJ Cat# 0293, RRID:CVCL_0431)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0431

Proper Citation: (BCRJ Cat# 0293, RRID:CVCL_0431)

Sex: Sex unspecified

Defining Citation: PMID:2163307, PMID:8697299, PMID:8824267, PMID:18845907, PMID:22538498, PMID:22808281, PMID:23560115, PMID:25546123, PMID:25894527

Comments: Omics: Endoplasmic reticulum proteome analysis., Omics: Cell surface proteome.

Category: Transformed cell line

Name: MIN6

Synonyms: Min6, MIN-6, Mouse INsulinoma 6

Cross References: BTO:BTO_0002284, EFO:EFO_0002829, MCCL:MCC:0000326, AddexBio:C0018008/403, BCRJ:0293, ChEMBL-Cells:CHEMBL4483177, ChEMBL-Targets:CHEMBL4483258, IBRC:C10524, Lonza:163, PRIDE:PXD000589, PRIDE:PXD001081, PubChem_Cell_line:CVCL_0431, Wikidata:Q12513178

ID: CVCL_0431

Vendor: BCRJ

Catalog Number: 0293

Record Creation Time: 20250131T201400+0000

Record Last Update: 20250131T203011+0000

Ratings and Alerts

No rating or validation information has been found for MIN6.

No alerts have been found for MIN6.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 34 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Gasbjerg LS, et al. (2024) Altered desensitization and internalization patterns of rodent versus human glucose-dependent insulinotropic polypeptide (GIP) receptors. An important drug discovery challenge. British journal of pharmacology.

Bracey KM, et al. (2023) Glucose-stimulated KIF5B-driven microtubule sliding organizes microtubule networks in pancreatic beta cells. bioRxiv : the preprint server for biology.

Liu Z, et al. (2023) Anti-CD47 Antibody Enhances the Efficacy of Chemotherapy in Patients with Gastric Cancer Liver Metastasis. Journal of Cancer, 14(3), 350.

Guo Y, et al. (2023) Steroidogenic factor 1 protects mice from obesity-induced glucose intolerance via improving glucose-stimulated insulin secretion by beta cells. iScience, 26(4), 106451.

Wieder N, et al. (2023) FALCON systematically interrogates free fatty acid biology and identifies a novel mediator of lipotoxicity. Cell metabolism, 35(5), 887.

Wang K, et al. (2023) Glucagon receptor blockage inhibits ?-cell dedifferentiation through FoxO1. American journal of physiology. Endocrinology and metabolism, 324(1), E97.

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

Zhao K, et al. (2023) Functional hierarchy among different Rab27 effectors involved in secretory granule exocytosis. eLife, 12.

Nguyen HT, et al. (2023) CDN1163, an activator of sarco/endoplasmic reticulum Ca2+ ATPase, up-regulates mitochondrial functions and protects against lipotoxicity in pancreatic ?-cells. British journal of pharmacology, 180(21), 2762.

Fujita M, et al. (2023) Dectin-2 Deficiency Promotes Proinflammatory Cytokine Release From Macrophages and Impairs Insulin Secretion. Endocrinology, 165(1).

Kalwat MA, et al. (2023) Small molecule glucagon release inhibitors with activity in human islets. Frontiers in endocrinology, 14, 1114799.

Darden CM, et al. (2022) Calcineurin/NFATc2 and PI3K/AKT signaling maintains ?-cell identity and function during metabolic and inflammatory stress. iScience, 25(4), 104125.

Yang S, et al. (2022) ATP6V1H deficiency impairs glucose tolerance by augmenting endoplasmic reticulum stress in high fat diet fed mice. Archives of biochemistry and biophysics, 716, 109116.

Brawerman G, et al. (2022) DNA damage to ? cells in culture recapitulates features of senescent ? cells that accumulate in type 1 diabetes. Molecular metabolism, 62, 101524.

Rodrigues-Dos-Santos K, et al. (2022) Small Molecule-mediated Insulin Hypersecretion Induces Transient ER Stress Response and Loss of Beta Cell Function. Endocrinology, 163(7).

Römer A, et al. (2022) Preparation of fatty acid solutions exerts significant impact on experimental outcomes in cell culture models of lipotoxicity. Biology methods & protocols, 7(1), bpab023.

Casteels T, et al. (2022) SMNDC1 links chromatin remodeling and splicing to regulate pancreatic hormone expression. Cell reports, 40(9), 111288.

Nguyen L, et al. (2021) Metformin Perturbs Pancreatic Differentiation From Human Embryonic Stem Cells. Diabetes, 70(8), 1689.

Laguerre A, et al. (2021) Regulation of Calcium Oscillations in ?-Cells by Co-activated Cannabinoid Receptors. Cell chemical biology, 28(1), 88.

Zhang X, et al. (2021) CRISPR/Cas9-Mediated ?-ENaC Knockout in a Murine Pancreatic ?-Cell Line. Frontiers in genetics, 12, 664799.