Resource Summary Report

Generated by RRID on Sep 2, 2026

MIN6

RRID:CVCL_0431
Type: Cell Line

Proper Citation

CLS Cat# 302148, RRID:CVCL_0431

Cell Line Information

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

Proper Citation: CLS Cat# 302148, RRID:CVCL_0431

Description: Cell line MIN6 is a Transformed cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Disease: Mouse insulinoma

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

Category: Transformed cell line

Organism: Mus musculus (Mouse)

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, CLS:302148, IBRC:C10524, Lonza:163, PRIDE:PXD000589, PRIDE:PXD001081, PubChem_Cell_line:CVCL_0431, Wikidata:Q12513178

ID: CVCL_0431

Vendor: CLS

Catalog Number: 302148

Record Creation Time: 20250423T101252+0000

Record Last Update: 20260830T002751+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 52 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Li S, et al. (2026) Islet regeneration protein Reg3g promotes macrophage clearance of ? cell-derived dysfunctional mitochondria-rich vesicles to mitigate T2DM. Redox biology, 89, 103996.

Fan J, et al. (2026) PDX1 phosphorylation at S61 by mTORC1 links nutrient signaling to ? cell function and metabolic disease. Cell reports, 45(1), 116811.

Pang H, et al. (2026) Biomimetic MCC950-loaded cerium-layered double hydroxide nanoparticles for targeted treatment of Type 1 diabetes in streptozotocin-induced mice. British journal of pharmacology, 183(16), 4919.

Huang D, et al. (2026) Perfluorohexane/hemoglobin nano-oxygen carriers enhance transplanted islet graft survival via hypoxia alleviation and mitochondrial repair. Journal of controlled release : official journal of the Controlled Release Society, 391, 114646.

Rodrigues-Dos-Santos K, et al. (2025) Unique and conserved endoplasmic reticulum stress responses in neuroendocrine cells. bioRxiv : the preprint server for biology.

Bracey KM, et al. (2025) Glucose-stimulated KIF5B-driven microtubule sliding organizes microtubule networks in mouse pancreatic ? cells. eLife, 12.

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

Huo Y, et al. (2025) Ceramide mediates cell-to-cell ER stress transmission by modulating membrane fluidity. The Journal of cell biology, 224(5).

Ghosh S, et al. (2025) Hepatic and Pancreatic Cellular Response to Early Life Nutritional Mismatch. Endocrinology, 166(3).

Sun J, et al. (2025) Organs-on-a-Chip Recapitulating the Gut-Islets Axis for Endocrine Hormone Secretion Regulator Evaluation. Research (Washington, D.C.), 8, 0923.

Gonzalez GC, et al. (2025) High-Yield Generation of Glucose-Responsive Pseudoislets From Murine Insulinoma Cells for In Vitro Studies and Longitudinal Monitoring of Graft Survival In Vivo. Cell transplantation, 34, 9636897251315123.

Jiang Y, et al. (2025) The protective roles of eugenol on type 1 diabetes mellitus through NRF2-mediated oxidative stress pathway. eLife, 13.

Sue N, et al. (2025) ER stress disrupts insulin release in murine models of type 2 diabetes by impairing retromer action and constitutive secretion. Cell reports, 44(5), 115691.

Silvano S, et al. (2025) RSPO1, a potent inducer of pancreatic ? cell neogenesis. Cell reports. Medicine, 6(5), 102126.

Sun MJ, et al. (2025) The role of angiotensin (1-7) in pancreatic ?-cell function and survival: A focus on autophagy. Medicine, 104(29), e42986.

Potekhina ES, et al. (2025) A color-tailored fluorogenic sensor for hydrogen peroxide. Nature chemical biology.

Yuan W, et al. (2025) Mi-Lnc70 Regulates the Progression of Murine Pancreatic ?-Cell Line and Affects the Synthesis of Insulin and Glucagon. OncoTargets and therapy, 18, 967.

Rodrigues-Dos-Santos K, et al. (2025) Unique and Conserved Endoplasmic Reticulum Stress Responses in Neuroendocrine Cells. Cells, 14(19).

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.