

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

INS-1 832/3

RRID:CVCL_ZL55

Type: Cell Line

Proper Citation

RRID:CVCL_ZL55

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_ZL55

Proper Citation: RRID:CVCL_ZL55

Description: Cell line INS-1 832/3 is a Cancer cell line with a species of origin Rattus norvegicus (Rat)

Sex: Male

Disease: Rat insulinoma

Defining Citation: [PMID:10868964](#), [PMID:18755687](#)

Comments: Characteristics: Shows robust glucose-stimulated insulin secretion (GSIS) (Millipore=SCC208).

Category: Cancer cell line

Organism: Rattus norvegicus (Rat)

Name: INS-1 832/3

Synonyms: INS-1 (832/3), 832/3

Cross References: Millipore:SCC208, Wikidata:Q98126775

ID: CVCL_ZL55

Hierarchy: cvcl_0352

Record Creation Time: 20220427T220636+0000

Record Last Update: 20260829T234321+0000

Ratings and Alerts

No rating or validation information has been found for INS-1 832/3.

No alerts have been found for INS-1 832/3.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Oqua AI, et al. (2025) Molecular mapping and functional validation of GLP-1R cholesterol binding sites in pancreatic beta cells. eLife, 13.

Manchanda Y, et al. (2024) Engineered mini-G proteins block the internalization of cognate GPCRs and disrupt downstream intracellular signaling. Science signaling, 17(843), eabq7038.

Xu W, et al. (2023) Architecture of androgen receptor pathways amplifying glucagon-like peptide-1 insulintropic action in male pancreatic β cells. Cell reports, 42(5), 112529.

Lacombe J, et al. (2023) Vitamin K-dependent carboxylation regulates Ca²⁺ flux and adaptation to metabolic stress in β cells. Cell reports, 42(5), 112500.

Lee H, et al. (2023) Stress-induced β cell early senescence confers protection against type 1 diabetes. Cell metabolism, 35(12), 2200.

Apostolidi M, et al. (2021) Targeting Pyruvate Kinase M2 Phosphorylation Reverses Aggressive Cancer Phenotypes. Cancer research, 81(16), 4346.

Al Rifai O, et al. (2020) The half-life of the bone-derived hormone osteocalcin is regulated through O-glycosylation in mice, but not in humans. eLife, 9.