

Resource Summary Report

Generated by [NIF](#) on Aug 24, 2026

alphaTC1 Clone 6

RRID:CVCL_B036

Type: Cell Line

Proper Citation

ATCC Cat# CRL-2934, RRID:CVCL_B036

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_B036

Proper Citation: ATCC Cat# CRL-2934, RRID:CVCL_B036

Description: Cell line alphaTC1 Clone 6 is a Cancer cell line with a species of origin Mus musculus (Mouse)

Sex: Sex unspecified

Disease: Mouse islet cell adenoma

Defining Citation: [PMID:2108069](#), [PMID:34871457](#)

Category: Cancer cell line

Organism: Mus musculus (Mouse)

Name: alphaTC1 Clone 6

Synonyms: alpha TC1 clone 6, alphaTC clone 6, alpha-TC1.6, alphaTC1.6, alpha-TC1-6, alpha TC1-6, alpha TC1.6, aTC1 Clone 6, aTC1-6

Cross References: BTO:BTO_0002982, ATCC:CRL-2934, TOKU-E:4124, Wikidata:Q54749266

ID: CVCL_B036

Vendor: ATCC

Catalog Number: CRL-2934

Hierarchy: cvcl_b035

Record Creation Time: 20220427T215217+0000

Ratings and Alerts

No rating or validation information has been found for alphaTC1 Clone 6.

No alerts have been found for alphaTC1 Clone 6.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Tang R, et al. (2026) Mapping cell type-resolved transcriptomic profiles to patient survival in pancreatic cancer. Cancer cell.

Zhu W, et al. (2025) SEL1L-HRD1 ER-Associated Degradation Facilitates Prohormone Convertase 2 Maturation and Glucagon Production in Islet β Cells. bioRxiv : the preprint server for biology.

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

Tsuno T, et al. (2025) Imeglimin suppresses glucagon secretion and induces a loss of β cell identity. Cell reports. Medicine, 6(8), 102254.

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

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

Jones Lipinski RA, et al. (2024) Zinc-chelating BET bromodomain inhibitors equally target islet endocrine cell types. American journal of physiology. Regulatory, integrative and comparative physiology, 326(6), R515.

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

Enders L, et al. (2023) Pharmacological perturbation of the phase-separating protein SMNDC1. Nature communications, 14(1), 4504.

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

Jia J, et al. (2022) Artemether and aspterric acid induce pancreatic alpha cells to transdifferentiate into beta cells in zebrafish. *British journal of pharmacology*, 179(9), 1962.

Jo S, et al. (2021) Human Glucagon Expression Is under the Control of miR-320a. *Endocrinology*, 162(3).

Wieland FC, et al. (2021) The Role of Alpha Cells in the Self-Assembly of Bioengineered Islets. *Tissue engineering. Part A*, 27(15-16), 1055.

Thielen LA, et al. (2020) Identification of an Anti-diabetic, Orally Available Small Molecule that Regulates TXNIP Expression and Glucagon Action. *Cell metabolism*, 32(3), 353.

Li J, et al. (2017) Artemisinin Target GABAA Receptor Signaling and Impair ? Cell Identity. *Cell*, 168(1-2), 86.

Kim J, et al. (2017) Amino Acid Transporter Slc38a5 Controls Glucagon Receptor Inhibition-Induced Pancreatic ? Cell Hyperplasia in Mice. *Cell metabolism*, 25(6), 1348.